

Interaction Design (DGM 729)

Prepared by

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Lecture 6



Interaction Design(DGM 729)



Chapter 6

Research Methods

Interaction Design

Lecture 6

Content

lecture 6 includes the following points:

- **Method 7**
- Learning Plan
- **Method 8**
- Guerilla User Research
- **Method 9**
- Proto-Personas
- **Method 10**
- Heuristic Markup
- **Method 11**
- Comparative Assessment
- **Method 12**
- Content Patterns
- If You Only Do One Thing...

Lecture 6

Method 7 Learning Plan

What do you know, what don't you know, and how are you going to learn it? A learning plan sounds like a formal concept, but really it's just about taking the time to ask yourself where the gaps are in your current understanding of users' needs and experiences, and how you can fill in that understanding.

A surprisingly large number of people claim to practice user-centered design, but fail to ever actually speak with or spend time with users. Don't be like them.

BELIEF	CERTAINTY	NOTES	RESEARCH METHODS	EVIDENCE
Typical User Profile Busy Professionals - Our most likely users are busy professionals (e.g., work more than 50 hours a week. Probably skew more female, and many have children/families. Age range is 30s and 40s.	Medium	The high-level details are taken from our typical enterprise user. Need to confirm whether the consumer oriented product would appeal to the same type of user, or someone else.	[+] Doublecheck marketing reports and business case [+] Embed dry test in enterprise product and survey respondents	Marketing Segments
Needs Family-Oriented - Users are interested in family-oriented activities.	Low	Purely speculative. We need to do more to understand the variety of activities that users are interested in.	[+] Contextual interviews with 5-8 target users	Personas + Behavioral Dimensions
Stressed by technology - Our typical user feels some stress due to the "always on" nature of technology and devices. It's the desire to eliminate or reduce that stress that leads users on a search for products like ours -- therefore users may be having an experience of stress at the moment they first encounter our product.	Medium	True for enterprise customer; need to confirm with target consumer customer.	[+] Do market research review (especially Pew reports) [+] Contextual interviews with 4-6 target users	Marketing Segments Personas
Motivations Achieving and accomplishing - Users are high achievers and interested in accomplishing more outside of work, but not necessarily scaling back what they do at work. General goals - Goals tend to be generic: vacation, retirement, get in shape. Not a lot of adventure seekers and bucket listers.	Medium Low	True for enterprise customer; need to confirm with target consumer customer. This is an assumption we've always made about enterprise customers, but never really confirmed.	[+] Contextual interviews with 5-8 target users [+] Intercept survey of current users	Personas + Behavioral Dimensions Personas
Behaviors Balance Achieved Through Activities - Ways they achieve a sense of balance now: church or spiritual practices, TV exercise, commute time (listening to music, books on CD, etc.), shopping, reading print material (books and magazines), Facebook for viewing photos and catching up with friends.	Medium	True for enterprise customer; need to confirm with target consumer customer.	[+] Contextual interviews with 5-8 target users (include journey lines)	Personas Experience Map Journey Line
Always On - Users are not early technology adopters, but they tend to be online a lot. Usually have computers at home and at work (personal computer at work, shared computer at home). Also likely to have a smart phone, and others in their household are also likely to have smart phones.	Medium	True for enterprise customer; need to confirm with target consumer customer.	[+] Diary study with 2-3 target users	Personas + Behavioral Dimensions

FIGURE 6.1
If possible, make this sample learning plan *glanceable*. A table is a great way to format all this information into an easy-to-scan, one-page plan that you can stick up on your wall or drop into a presentation deck as needed.

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Method 7 Learning Plan

One of the core tenets of a user-centered philosophy is that you respect and learn from your users' sometimes unpredictable lives. A learning plan is a simple tool that you can use by yourself or with a team to map out what you know and what you need to learn (see Figure 6.1).

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Needs				
Family-Oriented - Users are interested in family-oriented activities.	Low	Purely speculative. We need to do more to understand the variety of activities that users are interested in.	[+] Contextual interviews with 5-8 target users	Personas + Behavioral Dimensions
Stressed by technology - Our typical user feels some stress due to the "always on" nature of technology and devices. It's the desire to eliminate or reduce that stress that leads users on a search for products like ours -- therefore users may be having an experience of stress at the moment they first encounter our product.	Medium	True for enterprise customer; need to confirm with target consumer customer.	[+] Do market research review (especially Pew reports) [+] Contextual interviews with 4-6 target users	Marketing Segments Personas
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Use When

- You're first bringing a user-centered mindset to an organization
- (whether in an official or unofficial capacity).
- You first start out in a new job as a UX team of one.
- You've started a new project, and you need to know more about your product and your users.

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Method 7 Learning Plan

Try It Out

1. Start with what you know.

Set aside 30 minutes or an hour to free-list everything you think you know about your users (see Figure 6.2). What are your working assumptions? Think about things like the following:

- What are your main segments/types of users?
- What motivates them?
- What frustrates them? What delights them?
- What features and functions are most important to them?
- What considerations are key in their purchase and reuse decisions?

TYPES OF USERS →	VIEWERS	ADMINS	BUYERS
GOALS/ STATE OF MIND	Search & find correct answers Want to be certain Want to share what they find with others Want to be good at their job/school	Dealing with piles of lists/tables Provide good svc. Solve problems. Repeat processes "Add Value"	Save & ensure future parity Please their internal customers Create automated processes
PAIN POINTS	No way to merge find the only way for the info Can't save & duplicate portfolios Can't customize web their name/logo Not enough time	Ability to connect close & distant in a timely fashion Listen for keywords Creation of repeatable scripts for common issues	Not aware of all the service options Don't necessarily communicate with... not everyone knows what they can do Rigid systems
OTHER PRODUCTS THEY USE	Excel Word Dropbox Paper & Pen Sticky Notes Business Cards Evernote	Sharepoint MS Access Email Archives Colleagues Internet Evernote	Analyst Reporter Procurement System Office Email
COPING STRATEGIES	Email colleagues Create duplicates/clones Keep notes/files Bookmarks	Support Scripts Buy time Physician to do live Relationship with other admins	Talk to Colleagues at a later place Look for good alternatives in other people's devices

FIGURE 6.2

Give yourself 60 minutes in a conference room and invite a few team members to simply talk through your assumptions, capturing the discussion on the whiteboard.

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Method 7 Learning Plan

Try It Out

- Do they use your competitor's products? When and how?
- What frustrates them about your product?
- What do they like best about your product?
- What parts of your product do they use the most? The least?
- What parts of the product do you want them to use the most?

2. Separate certainties from assumptions.

For each assumption, indicate how confident you are in that assumption. While you do this, look for any questions that can be grouped together and simplified.

ASSUMPTIONS ABOUT OUR USERS

TYPES OF USERS →	VIEWERS	ADMINS	BUYERS
GOALS/ STATE OF MIND	Search + find correct answers Want to be certain Want to share what they find with others Want to be good at their jobs/school	Dealing with piles/ lists/ to dos Provide good svc. Solve problems, respect processes Add Value	Save & ensure feature parity Please their internal customers Create automated processes
PAIN POINTS	Not sure if things found are only / all the info Want save + duplicate portfolios Can't customize with their name/logo. Not enough time	Ability to compare data & analyze in a timely fashion Listen for keywords Creation of repeatable scripts for common items	Not aware of all the service options Don't necessarily discriminate who... not everyone knows what they can do Rigid systems
OTHER PRODUCTS THEY USE	Excel Word Dropbox Paper + Pen Sticky notes Binders + Postcards Evernote	Sharepoint MS Access Email Archives Colleagues Internet Evernote	Analyst Reports Procurement System Office Email
COPING STRATEGIES	Email colleagues Create duplicates/clean Keep notes/files Bookmarks	Support Scripts Buy time Progress to do lists Relationship with other admins	Talk to colleagues at a later time Learn for good decisions in other topics related

FIGURE 6.2
Give yourself 60 minutes in a conference room and invite a few team members to simply talk through your assumptions, capturing the discussion on the whiteboard.

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Method 7 Learning Plan

3. Brainstorm research methods.

Now, for each of your questions, brainstorm how you might go about getting more data or info in this area. Also think about what resources will be required to actually answer these questions (for example, face-to-face time with users, a Web intercept survey, access to server log data, etc.).

4. Plan outputs.

Finally, for each area that you'd like to research further, think about what form your evidence will take (for example, presenting and distributing new personas).

ASSUMPTIONS ABOUT OUR USERS

TYPES OF USERS →	VIEWERS	ADMINS	BUYERS
GOALS/ STATE OF MIND	- Search + find correct answers - Want to be certain - Want to share what they find with others - Want to be good at their job/school	- Dealing with piles/ lists/ to dos - Provide good svc. - Solve problems, respect privacy - Find Value	- Save & ensure feature parity - Please their internal customers - Create automated processes
PAIN POINTS	- Not sure if things found are only / all the info - Want save + duplicate portfolios - Can't customize with their name/logo - Not enough time	- Ability to compare close & distant in a useful fashion - Listen for keywords - Creation of repeatable scripts for common items	- Not aware of all the service options - Don't necessarily discriminate who... not everyone knows what they can do - Rigid systems
OTHER PRODUCTS THEY USE	- Excel - Word - Dropbox - Paper + Pen - Sticky notes - Binders + Postcards - Evernote	- Sharepoint - MS Access - Email Archives - Colleagues - Internet - Evernote	- Analyst Reports - Procurement System - Office - Email
COPING STRATEGIES	- Email colleagues - Create duplicates/clean - Keep notes/files - Bookmarks	- Support Scripts - Buy things - Progression to do lists - Relationship with other services	- Talk to colleagues at a later phase - Learn for good decisions in other topics related

FIGURE 6.2
Give yourself 60 minutes in a conference room and invite a few team members to simply talk through your assumptions, capturing the discussion on the whiteboard.

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Method 8 Guerilla User Research

What concerns are top of mind for users? How do they really behave? How are people using your product today?

There is one key requirement of user research, and it's simple but not always easy: You have to actually talk to users. It doesn't have to be a lot of them. Even just two or three is better than none at all. Inguerrilla user research, you make it a priority to talk to and learn from at least a few users, firsthand and by whatever means necessary.

Guerrilla user research can take any number of forms, from calling a user on the phone to approaching people in a coffee shop.

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Method 8 Guerilla User Research

Use When

You're forming goals and priorities for design and feel that you need grounding in an understanding of user goals.

The team is making decisions for the product without any primary or first hand knowledge of user needs. (You know this is happening when you find yourself in stalemate design arguments, or when you see people rationalizing product choices by speculating how a fictitious user, or even they themselves, would use the product.)

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Method 8 Guerilla User Research

Try It Out

1. Think about your target users.

Start by asking yourself whom you'd like to talk to and how. Think about what characterizes your users. How old are they, on average? What kinds of behaviors and interests might they have? Where might they live and work? How do they spend their free time? Once you have a basic idea of whom you're looking for, think about where this type of person might be likely to spend his or her time. If it's the type of situation or place that you could easily get access to, go there and ask the random people you meet if they'd be willing to participate in a short study. For example, let's say your target customer is creative freelancers.

Creative freelancers are known to spend lots of time working in coffee shops. So you would plan to spend an afternoon in a coffee shop, politely asking people you see working on their laptops if they would be interested in doing a short user study.

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Method 8 Guerilla User Research

2. List your research questions.

Think about what you're trying to learn from your users and list your questions. Articulate why you're doing this work and what you hope to learn from it. Do a mind map to get your questions out of your head and onto paper or a white board (see Figure 6.3). To do a mind map, start by writing the topic in the middle (in this case, "user research questions.")

3. Go into the field.

For the research session, ideally meet with the user in his own environment: work, or home, or somewhere he spends a lot of time. Ask him to show you as much as he is comfortable sharing about what's relevant and important in his own environment. If he's okay with it, take pictures or videos to document what you see as visceral artifacts to remind you of this person and the things you learned about him. During your conversation, be sure you're covering all the research questions that you listed in step 2.

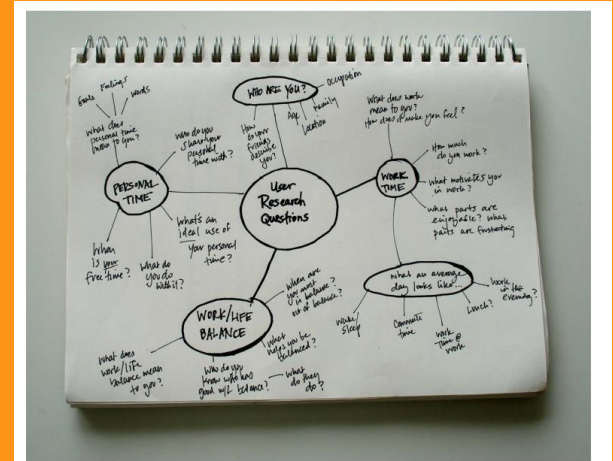


FIGURE 6.3
A sample mind map.

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Method 8 Guerilla User Research

4. Mine the data for insights.

After you're done with your research interviews, spend some time reviewing your notes from all the interviews and looking for the answers to those questions that you listed at the beginning.

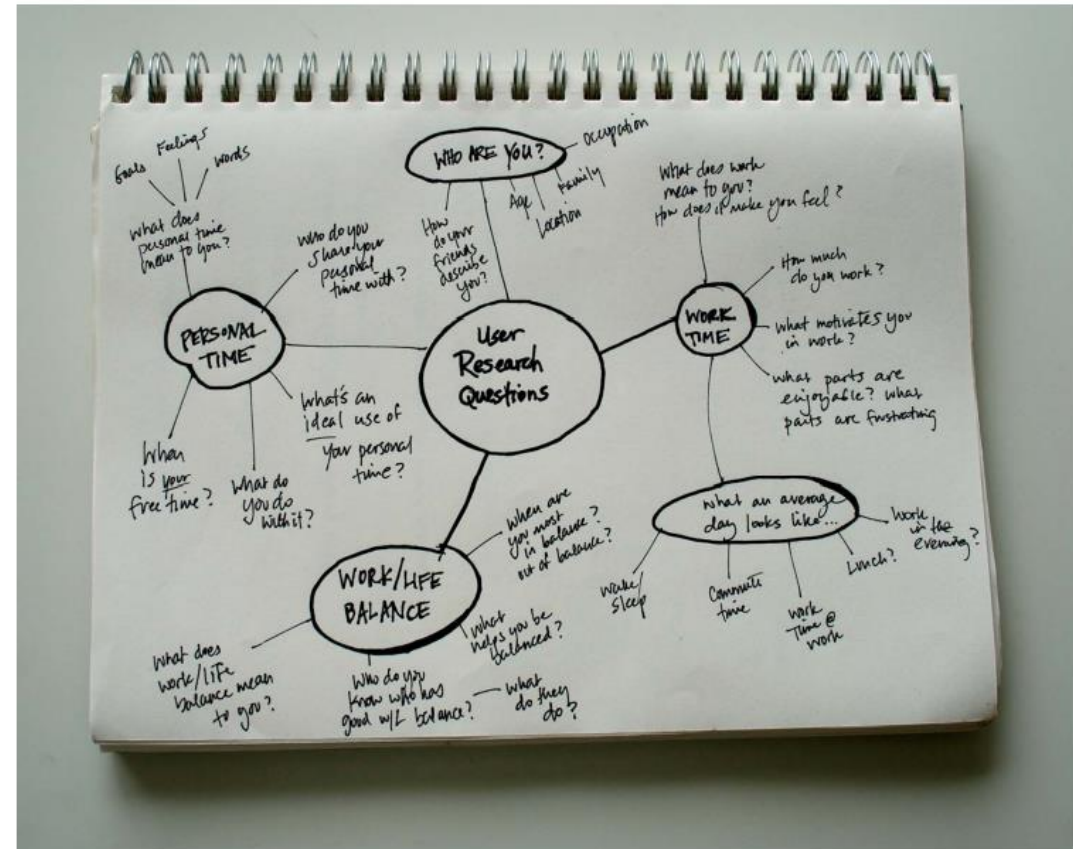


FIGURE 6.3

A sample mind map.

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Method 9 Proto - Personas

How can you think empathetically about your customers' needs, goals, and challenges when using your product?

Proto-personas are a technique to provoke empathetic, customer-oriented thinking without necessarily requiring you to do exhaustive customer research or have loads of statistical data to underpin your thinking (see Figure 6.6).

Proto-personas are inspired by the UX technique of a simpler name, personas. Personas are a time-tested tool of the user experience field. A persona is a composite picture of a collection of users boiled down into one relatable, human profile. A persona is usually presented as an individual person with a name, a face, and a backstory. Personas usually explain that person's needs, values, goals, frustrations, and desires.

Melissa



“It's not about me.
it's about my girls.”

AT A GLANCE

AGE — 41

LOCATION — Chicago, IL

LIFE STAGE — Divorced with two kids

JOB — Corporate procurement manager

MOTIVATORS

FAMILY — Doing what's right for her kids and looking after her parents are the most important things in her life.

BEING HELPFUL & APPRECIATED FOR IT — She gets a lot of pride from being productive, effective, and helpful. Being thanked and acknowledged for it is the motivator that keeps her going.

FEELING HAPPY & GRATEFUL — Melissa gets frustrated and frazzled because she's always running, but really she values being happy and tries to appreciate all the good things in her life, particularly after a difficult divorce.

BEHAVIORS

TIGHTLY SCHEDULES THE DAY — The morning routine to get the kids off to school and herself off to work is locked in. She's busy at work all day and tends to spend the majority of her day in meetings. The evening routine is equally structured. When her ex has the girls, she goes out with a friend for dinner or catches up on the phone.

VOLUNTEERS — At kids' school and church.

SPENDS TIME WITH EXTENDED FAMILY — Parents live and sister's family live nearby. Most weekends she visits their house or they visit hers.

TALKING ON THE PHONE AND "CATCHING" UP VIA FACEBOOK — Likes to talk on the phone with girls' friends and her sister. Late at night after work she hops on Facebook to achieve the same sense of connection.

NEEDS

- Social connection
- Would like to start dating again
- Exercise and "me" time
- Would like to just sit and unwind, but feels like she's usually so amped up from her schedule that simply resting feels wrong

FIGURE 6.6

An example of a completed proto-persona.

Lecture 6

Method 9 Proto - Personas

Personas are made as human as possible to further enhance the sense that this is a real person with a messy life and quirky ways of coping with very recognizable human situations. A persona is a fictitious composite based on extensive user research that you or someone else has observed firsthand. The trouble is, creating good personas takes time and resources.

Proto-personas are a modified version of personas that stimulate the same type of empathetic and user-oriented thinking, but with less investment in time. They can be created with the help of the cross functional team, which makes them a quick and inclusive tool for turning on the user experience goggles.

Melissa



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An example of a completed proto-persona.

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Method 9 Proto - Personas

Use When

- You have an unclear picture of your target user.
- You find that you and the team talk about users and their motivations in generic and non-specific terms.
- You sense that the team needs a more empathetic and human centered way of thinking about users.

Try It Out

1. Plan a working session with the team.

Schedule an hour or so for a working session and invite a cross functional team to help you create the proto-personas. Since this is a group activity, the number of people involved matters. Aim for no fewer than 4 people and no more than 12. Any more and the group becomes a bit unwieldy. Consider including people who have direct access to customers (for example, sales people or call center representatives). They will have great firsthand insights about customers.

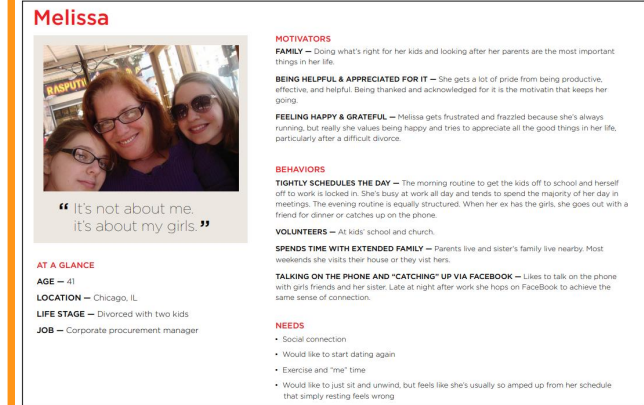


FIGURE 6.6

An example of a completed proto-persona.

2. Set expectations.

Once you have everyone assembled, explain that thinking of users as individual people with unique needs helps you create products that are easy to use and respect your users' time. Help them understand that UX is a frame of mind, and this activity will help get them in that frame of mind. Explain that what you are about to do is an unscientific technique that will nevertheless get everyone thinking differently about the people who use your products.

3. Create teams.

Organize the group into small teams of about three people. Ask each team to discuss what they know or suspect to be true about your users, and then focus in on one particular type of user that they want to develop as a proto-persona.

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Method 9 Proto - Personas

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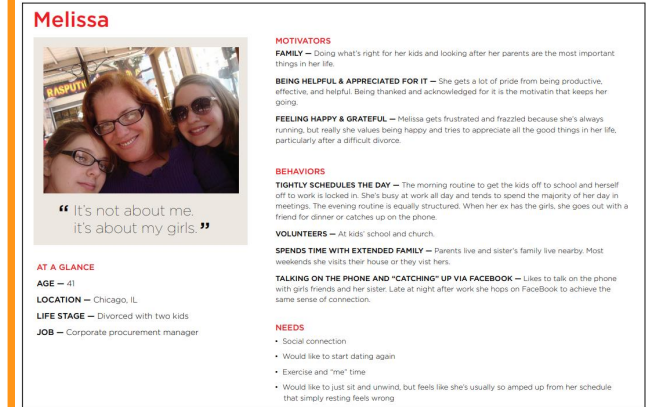


FIGURE 6.6
An example of a completed proto-persona.

4. Fill in basic information for each proto-persona.

Give each team a poster-sized persona template and ask them to fill in the details of a fictitious but realistic person they might expect to use their product. Ask them to create a story for this person, including a name, where they live, what they do for a living, what frustrates them, what a day in their life looks like, and what they are doing before, after, and during the use of your product.

5. Bring the proto-personas to life.

Ask each team to add photos, quotes, and other forms of real-life “color” to their posters. For this, you can simply give them a stack of stock photos or a selection of magazines and have them pick images to represent their persona and what a day in their life might look like.

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Method 9 Proto - Personas

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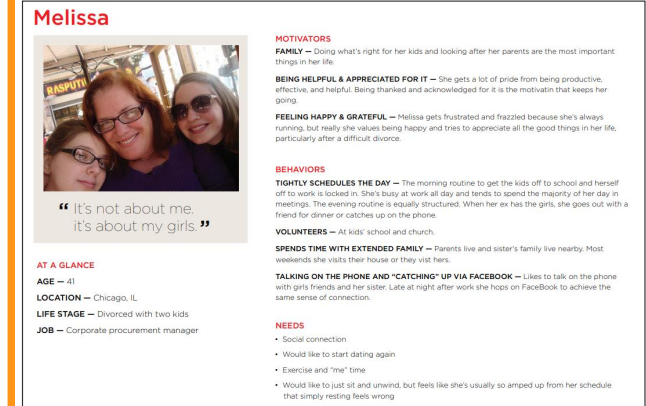


FIGURE 6.6

An example of a completed proto-persona.

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Method 9 Proto - Personas

6. Share and discuss as a group.

After the teams have each assembled their posters, ask each one to share the story of their proto-persona. As a group, discuss your reactions to the proto-personas. What questions do the proto-personas raise that you might want to explore or research further? Discuss how you'd like to use these personas in the future and if there are any particular proto-personas that are especially relevant and effective in getting the team to think empathetically.

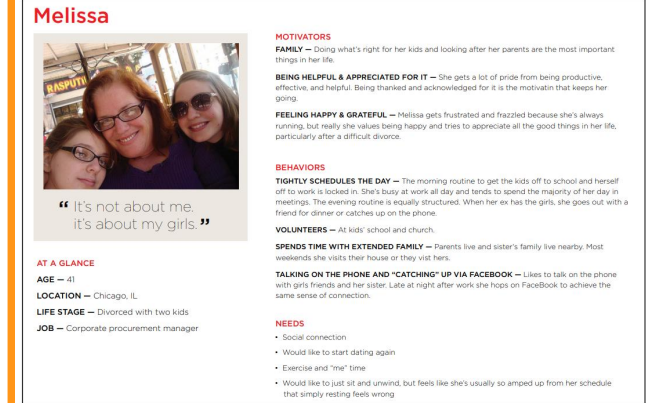


FIGURE 6.6

An example of a completed proto-persona.

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Method 10 Heuristic Markup

How does a user experience the product from beginning to end? Heuristic markups are inspired by heuristic evaluations. A heuristic evaluation is a fancy term for a review of a product to see how well it complies with recognized usability principles. In a typical heuristic evaluation, a user experience professional audits a product and identifies any parts that don't conform to established standards and best practices.

A heuristic markup is conceptually similar to a heuristic evaluation, but it places less emphasis on recognized standards and more emphasis on your own gut reactions and responses as you move through the product.



A heuristic markup helps you tell the story of how a user might experience the product from start to finish. In a heuristic markup, you start at the beginning of the product and record your thought process as you move through the experience. A heuristic markup is easy to do and surprisingly fun. Plus, taking the time to really notice what you notice is a good way to lift the goggles of familiarity.

Use When

- You want to assess the basic quality of the product and spot potential opportunities for improvement.
- In the design process, if you want to check your work as new designs are under way.

Try It Out

1. Block off a good amount of time.

Set aside some time to really use the product, from start to finish. Plan more time than you think you need. This gives you enough time to take notes and capture your observations.

2. Begin at the beginning.

Think about where a typical user starts with your product. Is it with a Web search? A trip to the app store? If your product includes a physical device, does their experience begin with the process of opening the product box?

Whatever it is, try to approach your offering from the same angle that first-timers would.

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Method 10 Heuristic Markup

Take screenshots or pictures and record your thoughts as you move from screen to screen or step to step. A PowerPoint document is a great place to store your images and observations. At each step or screen in the process, paste a screenshot on a new slide and add a note (or several) about what you are noticing and thinking about in your user's mindset. Or use a screen recorder that also records sound (Silverback works well) and record your stream of consciousness as you move through the product, thinking aloud as you go.



3. Pay attention to your reactions.

As you progress through the product, be alert to the subtle responses and questions that you find yourself having. Often, we encounter these thoughts so quickly that we may not be fully conscious that we've had them. They can still influence our perceptions of the quality of the product, though. Try to go slowly and be attentive to what your inner voice is saying.

Lecture 6

Method 10 Heuristic Markup

4. Go from beginning to end.

Continue moving through the product, recording images and observations as you go.

5. Share what you find.

When you're done, you'll have a candid and easy-to-share narrative that illustrates potential areas for improvement within the product. Keep in mind that you may be critiquing someone else's hard work here, so be sure to soften any overly sharp or critical language before you share it with others. Capture the feeling, but leave the expletives out. At the end, include a summary of the key takeaways—the small handful of things that you believe are most critical.



Lecture 6

Method 10 Heuristic Markup

Tips and Tricks for Heuristic Markups

- **Adopt a persona.** If you have some sense of who your users are, it can be helpful to create a backstory of your motivations and what you're trying to accomplish to guide your thinking as you move through the product. (Use your proto-personas if you have them.)
- **Record emotions.** Along with your thought process, it can be illuminating to record your emotional responses to each step or screen (see Figure 6.9). Did it make you feel happy? Surprised? Confused? Frustrated? Make an emotional graph of the entire experience to help you pinpoint the most critical areas to improve or, alternately, to preserve. Think in terms of the seven universal human emotions: anger, joy, sadness, disgust, fear, contempt, and surprise.

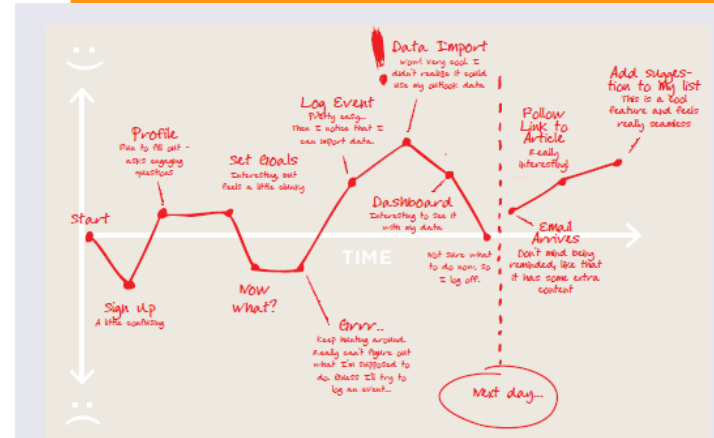


FIGURE 6.9

An example of a journey line that shows the highs and lows of the experience.

Lecture 6

Method 11 Comparative Assessment

What are the standards and best practices that customers are likely to expect in a product like yours? A comparative assessment is a slight variation on the competitive assessment. In a competitive assessment, you evaluate your direct competitors.

In a comparative assessment, you look at products and services that your customers are likely to encounter and use, although they may not necessarily be your direct competitors. The idea behind a comparative assessment is that people develop their expectations from the products and services that they use every day.

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Method 11 Comparative Assessment

They may be benchmarking the experience you provide not against your direct competitors, but against eBay, Amazon, iTunes, and so on. A comparative assessment is a good way to start thinking about and discussing what an optimal experience looks like, even before you've begun creating any designs.

Use When

- You're trying to establish vision and expectations for a new user experience.
- The team seems to be focusing on feature-by-feature comparison against competitors and not aiming to create a simple, holistic user experience.
- You keep hearing comparisons like "it should be the Apple of _____," but nothing more specific.

Lecture 6

Method 11 Comparative Assessment

1. Pick which products to evaluate.

Create a list of the products you want to include in your assessment. This should be a small, manageable number. Five is about right. Ten is probably too many.

2. Create a list of areas to evaluate.

Next, determine the framework that you will use to evaluate each product. A framework can be as simple as a spreadsheet with a column for each key question in your evaluation and a row for each product.

Lecture 6

Method 11 Comparative Assessment

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Lecture 6

Method 11 Comparative Assessment

The areas you focus on may be influenced by the domain you are evaluating and your goals for the project, but here are some common areas to focus on in your framework:

- Content
- Features and functionality
- Intuitiveness
- Design
- Continuity or flow
- Strengths, weaknesses, opportunities

3. Walk through each product.

Now, with these focus areas in mind, begin to assess each product. Imagine that you have never encountered this product before and try to see it with fresh eyes. Take screenshots as you go and note your assessment of each product, as shown in Figure 6.10.

Product	Content	Features & Functionality	Design	Intuitiveness
Facebook	Extremely broad range of user-generated content, with a heavy mix of video, photos, events, etc. Unique timeline layout encourages a chronological reading experience that goes further and further back in time. Commercial content is interspersed seamlessly with content from people you share. Content is typed in a variety of ways (news, text, photos, status, etc.) and that can make it confusing to know where to go to see what. In the marketplace, it does encourage a meandering browsing experience, however which translates to lots of time on the site.	Users discover (and then post) content through a mix of feeds, tabs, and other sources. Upload and share images, videos and other content. View other people's posts. Create and join groups. "Like" posts. Respond to events. Find music that others are listening to. Chat. "Mention" someone. "Unfriend" someone. Update account and privacy settings. View ads. Create ads. Decorate your timeline. Search for people, pages, places, groups, apps, events, music, posts, and the internet.	Mobile, tablet, and web each provide a different experience of content. Features are fairly consistent across devices. Design is a little bit inconsistent between mobile view and web view. Never quite sure which one you're going to see.	It's a little bit confusing to know where to go to see what. The full breadth of available content and, indeed, what you can actually do with FB is not completely intuitive, which would lead to the problem that some users don't use or even know about many of the features that are available to them.
Pinterest	Extremely comprised of user-generated content. The main focus is images that are "pinned" to a board. A board appears to be a never-ending list of these high-impact images. Each image is accompanied by a user-written description. Other people's pins and boards create a recommended and visually stimulating browsing experience.	Default: orderly, heavily influenced by grid layout. The content (especially images) is definitely the star of the show here. "Pin" content (clip from elsewhere and display on one of your boards). Create a board. Search Pinterest. View other people's pins and boards. Invite friends. "Like" a pin. Additional "features" include a "pin it" button for the web browser.	Layout and interactions are extremely consistent, whether in your web browser, on the mobile app, or on the web site.	The concept of clipping and collecting is immediately intuitive. The home page view aggregates pins from people you follow, and clicking a pin gives you access to a board. The relationship between a pin and a board is not intuitive. Once you click on a pin, you're taken to a board, which is a collection of images. It's sometimes difficult to know whether you're looking at someone's board or an aggregated view such as your

FIGURE 6.10
This spreadsheet is a simple way to capture what's special about the comparators that you're researching.

Lecture 6

Method 11 Comparative Assessment

4. Answer your questions.

Once you've assessed each product or offering, fill in your framework, so you can easily compare across offerings.

5. Summarize findings or guidelines.

Finally, consider documenting key insights from the assessment in a “guidelines” document that you can refer to as you proceed through the process of user-centered design, as shown in Figure 6.11.

(These can be used in conjunction with “Design Principles,” described in Chapter 7, “Design Methods.”) Your guidelines can serve as a cheat sheet for fundamental design standards that you'll want to meet or exceed.

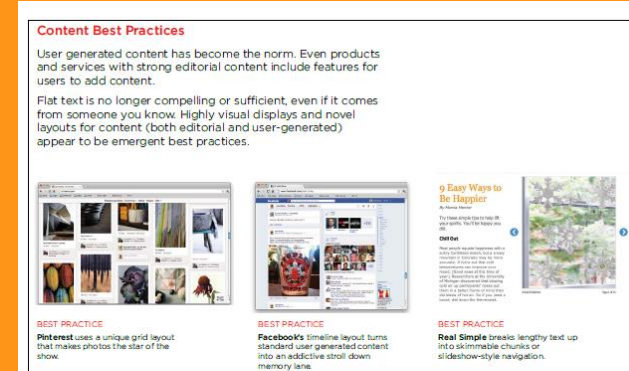


FIGURE 6.11

One way to make your most important findings a little more visual and memorable is to take a few screenshots and assemble them into a series of guidelines or best practices that you've observed through the competitive or comparative review.

Lecture 6

Method 12 Content Patterns

What content and capabilities do users have access to in your products, how is it structured, and what is the overall quality?

In a content inventory, you sit down with the product or service and attempt to create a representative sampling of all the types of information, assets, and functionality that it includes—sort of an index of the world. If that sounds painstaking, it is. You can get many of the same benefits (intimate understanding of structure, deeper familiarity with the content, etc.) with a lot less effort.

Content patterns are less comprehensive than a traditional content inventory, but they do show the recurring patterns of content and functionality that exist and how they are they structured.

Lecture 6

Method 12 Content Patterns

Use When

- You want to get deeply familiar with the structure, information, and capabilities of your website or product (often this is at the beginning of a project).

Try It Out

1. Pick key sections.

Start by picking a few representative sections to feature in your sampling. Within each of these sections, look for recurring patterns or structures in the way that content is configured and presented. For example, case studies, articles, help files, and so on. This could also apply to features and functionality, which may have their own recurring patterns.

Lecture 6

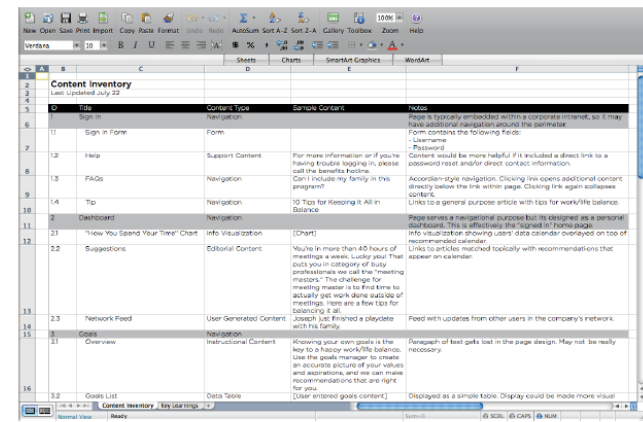
Method 12 Content Patterns

2. Find the patterns.

List all the elements that come together to make up a unit of content. (For example, an article is comprised of a title, a byline, date, author, several long form paragraphs, some images, and finally some tags and categories, which are used as metadata for searching and filtering.) Repeat this process for each new type of content that you find.

3. Document what you find.

Put the patterns you've found into a spreadsheet, or to make it easy to visualize the structure and patterns of your content, make a diagram or a map of the different types of content you find (see Figures 6.12–6.14).



ID	Title	Content Type	Sample Content	Notes
1	Sign in Form	Form		Form is currently embedded within a password-protected area. Have additional navigation around this perimeter. Form contains the following fields: - Username - Password
12	Help	Support Content	For more information or if you're having trouble logging in, please call the benefits helpline.	Content would be more helpful if it included a direct link to a password reset and/or direct contact information.
13	FADS	Navigation	Can't include my family in this program?	Accordion-style navigation. Clicking this opens additional content directly below the link within page. Clicking link again collapses content.
14	Tip	Navigation	10 Tips for Keeping It All in Balance	Links to a general purpose article with tips for work/life balance.
2	Dedicated	Navigation		Page serves a navigational purpose but is designed as a personal dashboard. This is effectively the "Signed in Home" page.
21	"How You Spend Your Time" Chart	Info Visualization	[Chart]	Info visualization showing users' data calendar overlaid on top of recommended calendar.
22	Suggestions	Editorial Content	You're in more than 40 hours of meetings a week. Lucky you! That puts you in category of busy professionals we call the "meeting masters". The challenge for meeting master is to find time to actually get work done outside of meetings. Here are a few tips for balancing it all.	Links to articles matched topically with recommendations that appear in calendar.
23	Network Feed	User Generated Content	Joseph Lee finished a playdate with his family.	Feed with updates from other users in the company's network.
8	Goals	Navigation		Knowing your own goals is the key to a happy work/life balance. Use the goals manager to create an accurate picture of your values and aspirations, and we can make recommendations that are right for you.
21	Overview	Instructional Content		Overview of best goals list in the page design. May not be really necessary.
12	Goals List	Data Table	[User entered goals content]	Displayed as a simple table. Display could be made more visual.

FIGURE 6.12

As you identify different types of content, you can track them in a spreadsheet.

Lecture 6

Method 12 Content Patterns

4. Summarize key findings.

Finally, use this analysis to identify significant observations or findings. What are your top observations? What specific recommendations would you make to improve the product?

5. Share and discuss.

Optionally, share your findings with the team and discuss what actions you'd like to take, based on what you've learned.

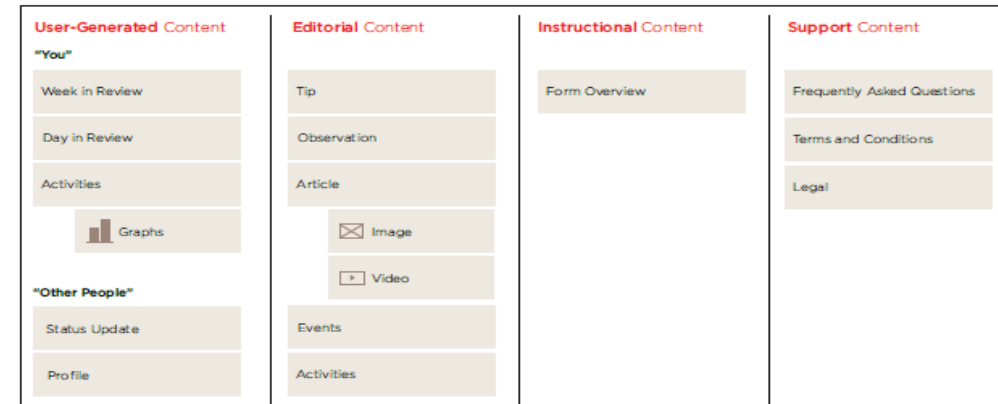


FIGURE 6.13
An example of a content map.

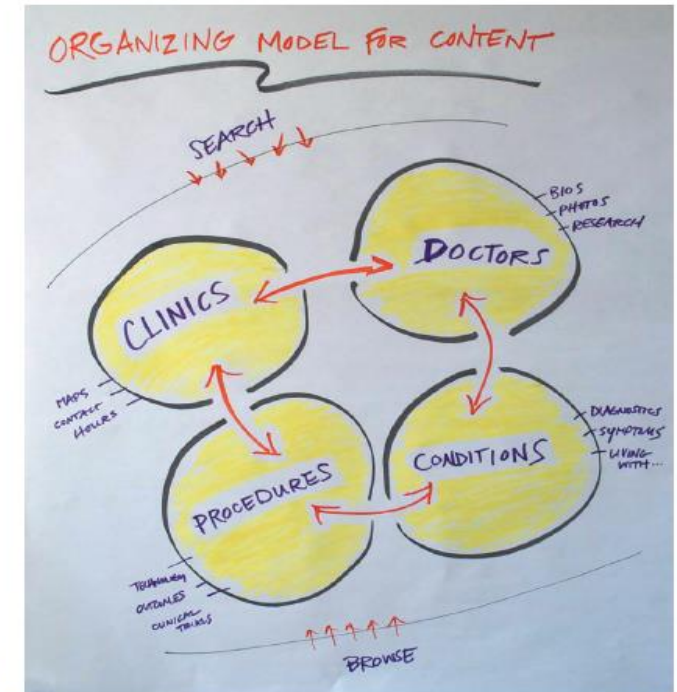


FIGURE 6.14
Even a hand-drawn model can be illuminating for clarifying the different types of content in the system and how they relate to each other.

Lecture 6

AI and Learning Plans

Learning Plan

Artificial intelligence can help design personalized learning plans by analyzing user data and predicting future needs.

AI can suggest adaptive learning pathways tailored to different skills and backgrounds, making learning plans more effective.

Example: Smart content recommendation systems on e-learning platforms.

Method 8: Guerilla User Research

AI tools can quickly collect and analyze user feedback, using techniques like text and sentiment analysis.

Method 9: Proto-Personas

AI can generate proto-personas by analyzing large datasets to predict user behavior patterns and needs.

Method 10: Heuristic Markup

Algorithms can evaluate user interfaces against standard heuristics, speeding up expert reviews.

Method 11: Comparative Assessment

AI can compare different designs or scenarios by leveraging user data and historical performance insights.

Method 12: Content Patterns

AI analyzes content patterns and automatically suggests improvements to boost engagement and user experience.

Lecture 6

If You Only Do One Thing...

The methods in this chapter cover a variety of investigative activities for learning more about your product, your users, your competitive landscape, and even what you don't know now but need to learn more about. At the core, however, these methods are about looking past what's familiar and known in order to see the product with fresh eyes.

So if you only have time to do one thing, try the one method that best helps you see the world through your users' eyes: "Guerilla User Research." It will enable you not only to see areas for improvement in your product, but it will also give you a better sense of who your users are and what matters to them.

Thank You