



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Date

Course Code

Master

Thursday
18 / 03 / 2021

(PMG506)

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 2021-05-8 في تمام الساعة ٩ مساءً.
- الإجابة متاحة باللغة الإنجليزية أو اللغة العربية مع مراعاة أن تكون المصطلحات العلمية باللغة الانجليزية.
- يتم تسليم المشروع في صيغة ملف pdf مع الالتزام نموذج الجامعة ولن تقبل أي مستندات أخرى.
- يجب مراعاة أقسام البحث الرئيسية (مقدمة Introduction، دراسات علمية سابقة Literature Review، طريقة البحث Methodology، النتائج والمناقشة Results and Discussion، وأخيراً المراجع References. وان كان هناك ملحقات Appendices يتم إضافتها)
- يجب الالتزام بـ Theme موحد كما يلي:
- حجم الخط 12.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر 1.5 line spacing
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: Eng. Dr. Akram M. S. Ali

Project:

You are required to document your role in administering a project. The project may be set in a business, social, sporting, or family environment but must be of a significant size and scale. If you do not have an actual project to write about you may complete the project hypothetically.

This report will be between three to six pages in length. This is a significant research project.

Your report must address **ONE** of the following issues:

1. Identify and describe the purpose, scope, and objectives of the project. **Display this information using an appropriate tool.**
2. Describe how the team is given an outline of the project.
3. Describe the strategies that are going to be set up to maintain communication with the team members.
4. Describe the tools that are going to be used to monitor the goals, time frames or milestones.
5. Identify project milestones and activities. **Display this information using an appropriate tool.**
6. Create a budget and link the costs to the key milestones for a project.
7. Describe how you are going to divide tasks and resources amongst a project team. **Display this information using an appropriate tool.**
8. Briefly describe how the progress will be monitored.
9. How are current project records maintained? Who has responsibility for this? provide some recommendations on how this process could be improved.
10. Describe the current procedure for finalizing projects. Create your own procedure and identify how you will evaluate the success of the project.
11. Legislation that may affect the project including health and safety, and anti-discrimination legislation.

Best of luck...

المشروع:

مطلوب منك توثيق دورك في إدارة مشروع. قد يتم تعيين المشروع في بيئة تجارية، أو اجتماعية، أو رياضية، أو عائلية ولكن يجب أن يكون بحجم مناسب. إذا لم يكن لديك مشروع فعلي لتكتب عنه، فيمكنك إكمال المشروع افتراضياً. ستكون هذا التقرير من ثلاث إلى ست صفحات.

يجب أن يعالج تقريرك **أحد** القضايا التالية:

1. تحديد ووصف الغرض والنطاق والأهداف من المشروع. اعرض هذه المعلومات باستخدام أداة مناسبة.
2. صف كيف يتم إعطاء الفريق مخططاً تفصيلياً للمشروع.
3. وصف الاستراتيجيات التي سيتم وضعها للحفاظ على التواصل مع أعضاء الفريق.
4. صف الأدوات التي سيتم استخدامها لرصد الأهداف أو الأطر الزمنية أو المعالم.
5. تحديد معالم المشروع والأنشطة. اعرض هذه المعلومات باستخدام أداة مناسبة.
6. إنشاء موازنة وربط التكاليف بالمعالم الرئيسية للمشروع.
7. صف كيف ستقوم بتقسيم المهام والموارد بين فريق المشروع. اعرض هذه المعلومات باستخدام أداة مناسبة.
8. صف بإيجاز كيف سيتم رصد التقدم.
9. كيف يتم الاحتفاظ بسجلات المشروع الحالية؟ من المسؤول عن هذا؟ تقديم بعض التوصيات حول كيفية تحسين هذه العملية.
10. وصف الإجراء الحالي لإنهاء المشاريع. قم بإنشاء الإجراء الخاص بك وحدد كيفية تقييم نجاح المشروع.
11. التشريعات التي قد تؤثر على المشروع بما في ذلك الصحة والسلامة، وتشريعات مكافحة التمييز.

مع تمنياتي بالتوفيق..

Qaren Application Project

Real Project by Consumer Protection Association

Introduction:

Starting from 2017, we have established Qaren program. The main purpose of this program is to compare the products and services prices between the different stores, to allow the consumer taking a better decision. And today; our project is taking this program to the next level, which is an application with huge products and services updated database to allow the consumer to compare as they need when they want.

Before establishing this project, we can see many people and organizations today have a new or renewed interest in project management. In the past, project management primarily focused on providing schedule and resource data to top management in just a few industries, such as the military and construction industries. Today's project management involves much more. New technologies have become a significant factor in many businesses, and the use of interdisciplinary and global work teams has radically changed the work environment.

Literature Review:

Standish Group published a study entitled "CHAOS." Surveyed 365 (IT) executive managers in the US who managed more than 8,380 IT application projects. Their study reported that the overall success rate of IT projects was only **16.2** percent.

The surveyors defined success as meeting project goals on time and on budget. The study also found that more than **31** percent of IT projects were canceled before completion, costing U.S. companies and government agencies more than \$81 billion. The authors of this study were adamant about the need for better project management in the IT industry. They explained, "Software development projects are in chaos, and we can no longer imitate the three monkeys—hear no failures, see no failures, speak no failures."

Follow-up studies by the Standish Group showed improvement in the statistics:

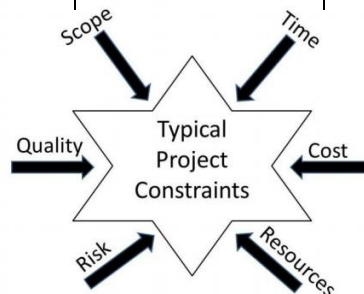
- The number of successful projects has increased from **16%** in 1994 to **39%** in 2012.
- The number of failed projects decreased from **31%** in 1994 to **18%** in 2012.
- The 2013 CHAOS study also analyzed small projects (under \$1 million) versus large projects (over \$10 million). Not surprisingly, the success rate for small projects was much higher than large projects—**76%** versus **10%**. It is easier to manage smaller projects, and researchers suggest that organizations strive to break large projects into a sequence of smaller ones in a process they call optimization.

Methodology:

Considering the previous researches as lesson learned, we decided to limit the current project scope into two major fields (Foods, and Electronics). Later we can measure the success rate to expand to the other fields.

Also we will be focusing on all project aspects and their associated tools and techniques and all project constraint as below:

Integration	Scope	Time	Cost	Quality
Resource	Communication	Risk	Procurement	Stakeholders



Key Tools & Techniques:

PMIS	Charters	RFP	Change Control	Lesson learned
Mind maps	Analyses	NPV	Network diagrams	Critical path
Meetings	Registers	Logs	Measurements	Quality metrics
Motivation	RACI	Pareto	Gantt charts	Team building
Estimates	Reporting	WBS	Probability/impact	Checklists

1- Identifying the purpose, scope, and objectives of the project:

Project scope management is the second knowledge area in PMBOK. And it has six processes, each of these processes associated with a set of inputs, tools & techniques, and outputs.

To describe our scope, we will produce the Project Scope Statement, WPS, and Later an RTM will be available to track each project requirement.

Scope Statement:

The main objective of this project is to allow the consumer taking a better decision. By allowing them to compare the products and services by an electronic application as they need when they want. And to contribute into Saudi 2030 vision by the digital transformation of the program.

The Project will include:

- Comparison feature, One Item / Shopping cart.
- Product / Service Price history charts.
- Direct API Integration with the service providers.
- Web scraping feature to pull the data from the webstores.
- Data collection to study the consumers behavior.
- Search Engine.
- Dashboards for the consumers, companies, government agencies, and CPA.
- Website, IOS App, Android APP, written in flutter language.

The Project will NOT include:

- Marketing for the associated service providers.
- Recommendations for products or services.
- Purchasing Items / Services directly from the application.
- Data sharing for marketing purposes.

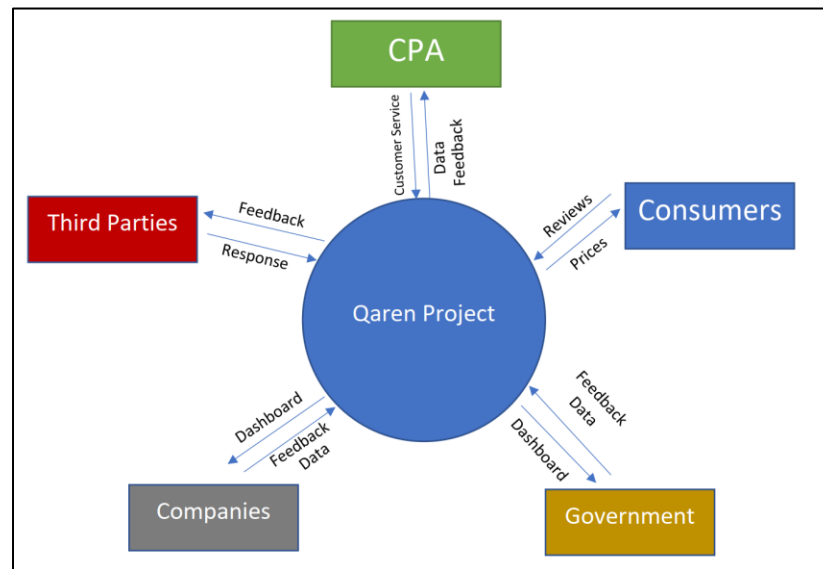


Figure1: Context Diagram for Qaren Project.

Project Constraints:

- Data Availability.
- Legal issues for data scraping.
- Project Finance.
- Uncooperating from service providers.

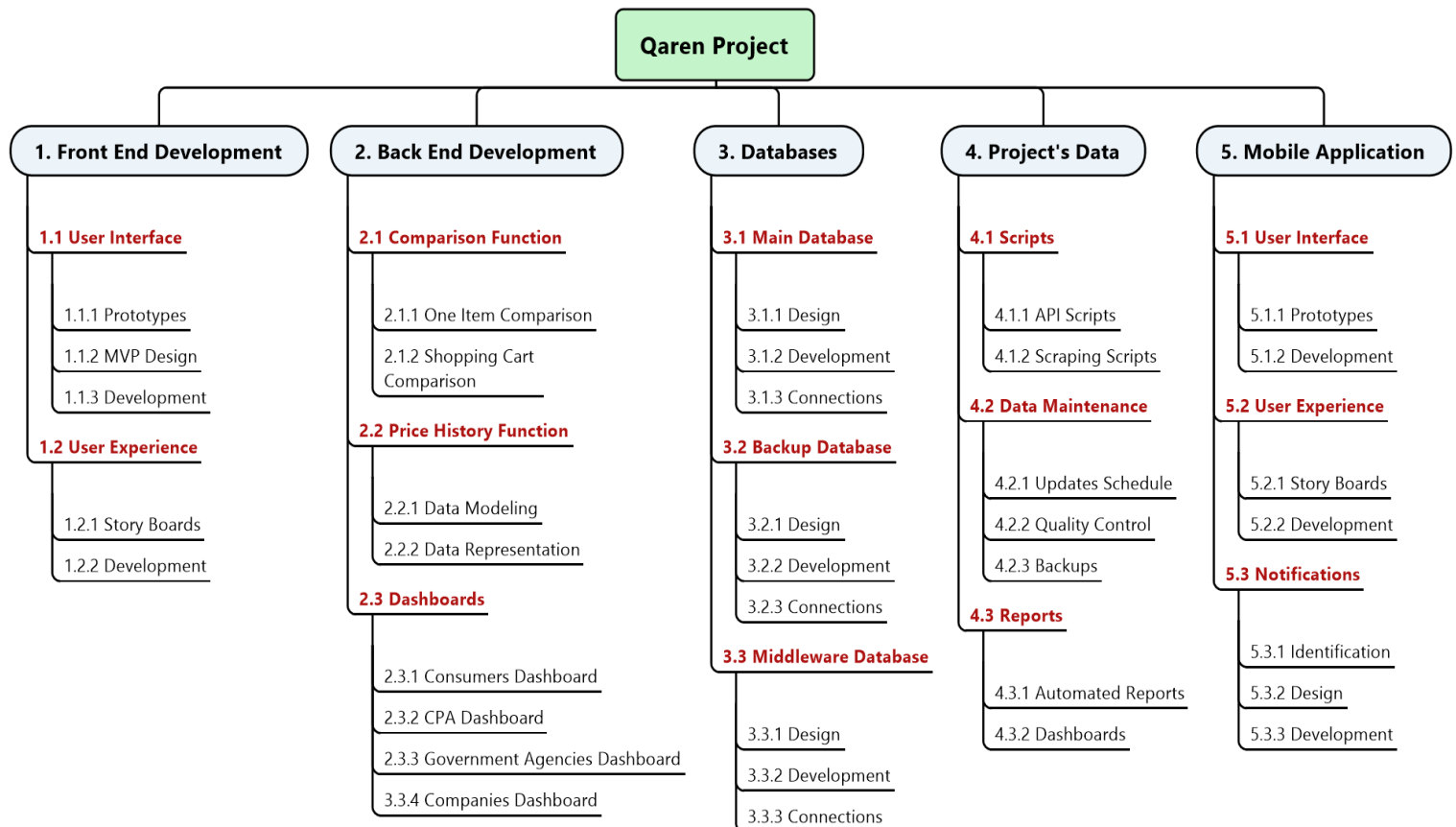
Project Assumptions:

- Support from government agencies.
- No external issues will affect the schedule.
- Pulling data from 16 different stores.
- Special resources will be hired.

Critical Success Factors:

- A very good I.T Company should be contracted.
- Continues cash flow to guarantee finishing the project on time.
- Special resources for managing the project.
- Special resources for data maintenance.
- Detailed stakeholder analysis and well engagement plan is mandatory.
- Special budget for marketing the project after launch.
- A good benchmarking process should be implemented.
- Buy in from other departments.
- Limitation for change requests from high management.
- High engagement with consumers regarding their suggestions.
- Enough testing time for the MVP (minimum one month).

Work Breakdown Structure:



References:

- [PMI Learning Library.](#)
- PMBOK Guide Sixth Edition.
- An Introduction to Project Management, Fifth Edition by Kathy Schwalbe.