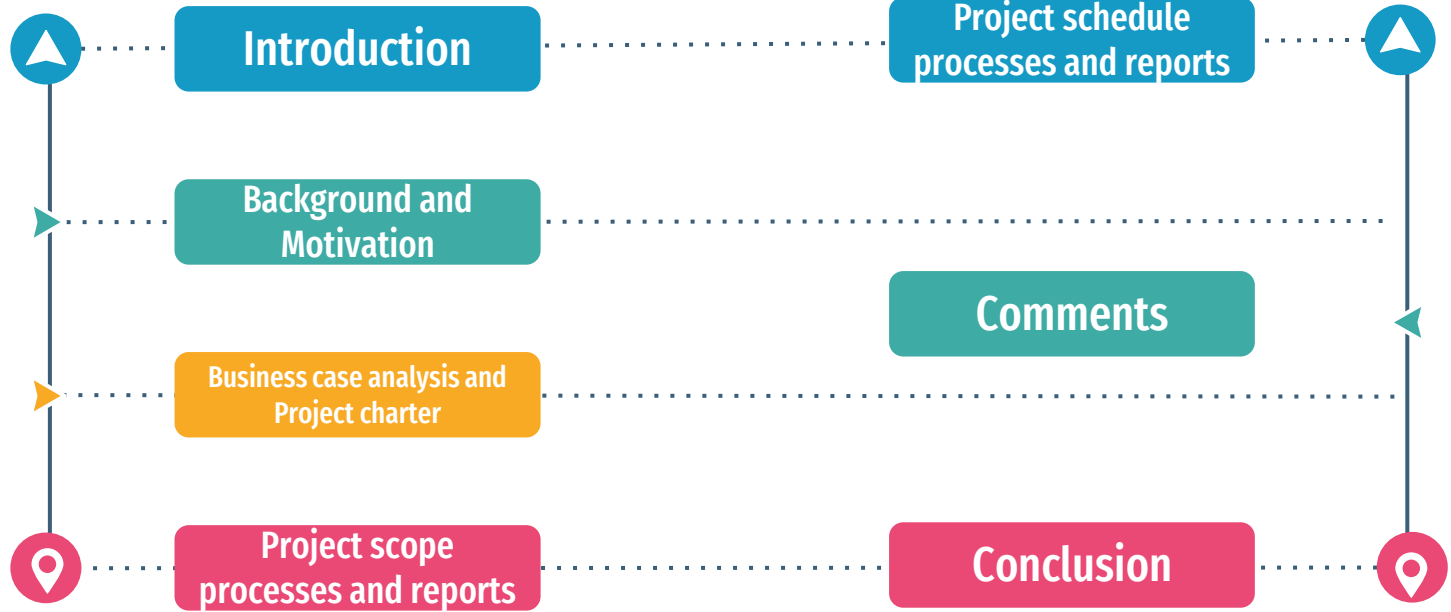


JAM Application



AGENDA



Introduction



Problem

One of the biggest problems that causes wasting of our time and delaying from our appointments is Traffic Jam.

Reasons

Traffic accidents, closed roads, broken traffic lights, rush hours .

Solution

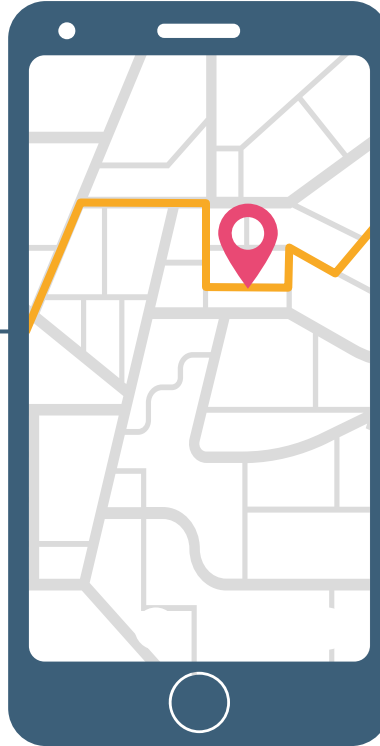
Our application ' JAM '.



Background and Motivation

What is jam?

Jam is an application that will help users to reach their destination in the easiest and fastest way possible



How ?

By notifying the users updates about closed or currently crowded roads

Why jam?

- Suggest other roads
- Save favorite destinations
- Arrange daily schedules
- Accurate updates of current road conditions
- Finding solutions to the causes of traffic jam

Business case analysis

1.1 Introduction/ Background

JAM application is a software that helps users to reach their destination in the easiest and safest way possible, the users of the app can display the map of Jeddah city and choose their destination and the best road to get there. also, the user can always save their favorite roads so they can come back to them later.

1.2 Business Objective

Due to the increased number of cars here in Jeddah, the wasted time in traffic jams became an issue that delays almost everything in our lives. The main objective of this application is to decrease wasted time in a traffic jam by receiving the alert before any reason that makes the user late

1.3 Current Situation and Problem/Opportunity Statement

The program may face problems with reaching the satellite, although we will take the map data from Google Maps as a helper, it may be difficult to connect to the satellite which will halt the program.

1.4 Critical Assumption and Constraints

Our application will be developed so that it can be downloaded on any platform the user is using whether it's IOS or Android. Our project pays off within 6 months to a year.

1.5 Analysis of Option and Recommendation

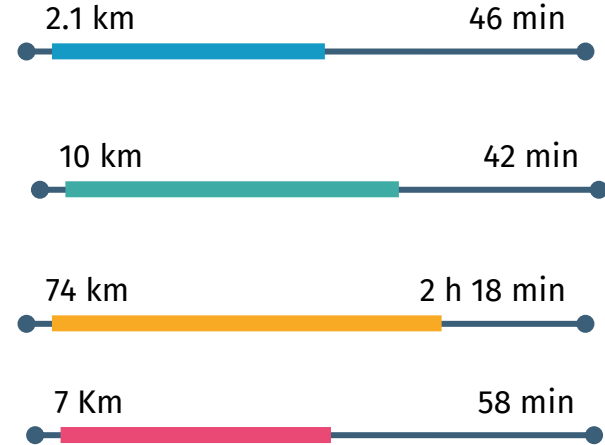
- 1- Do nothing. And continue using the regular maps apps on a daily bases.
- 2- Add the main features to an already existing app.
- 3- Develop the system as an app but minimize the features to reduce the cost.

In our opinion option 3 is the ideal option

1.6 Preliminary Project Requirements

The main features of the JAM application are:

- 1- Displaying the city map.
- 2- The user can save their favorite roads and views them later when needed.
- 3- The app will notify the user of all the updates they need about the roads they are taking.



Business case analysis

4- The app will contact the right authority when there are any accidents

1.7 Budget Estimate and Financial Analysis

The system costs an estimated \$300,000 based on:

- The developer working 30 h/w for a year and will be paid \$25/h
- The project manager working 30h/w for a year and will be paid \$25/h
- Designer working 20 h/w for a year and will be paid \$10/h
- Marketing team working 10 h/w for a year and will be paid \$11/h
- Software tester working 15 h/w for a year and will be paid \$14/h

1.8 Schedule Estimate

Our goal is that the project will be ready and finished within a year according to the plan.

1.9 Potential Risks

Our project potential risks:

- Facing the risk of passing the due date that was set on the plan.
- The risk of the user not getting the update about the road at the right time due to the lack of internet

1.10 Exhibits

	A	B	C	D	E	F	G
1	Dis rate	10%					
2							
3	project1	year1	year2	year3	year4	Year5	total
4	Ben	\$0.00	\$50,000.00	\$70,000.00	\$85,000.00	\$90,000.00	\$295,000.00
5	cost	\$70,000.00	\$50,000.00	\$30,000.00	\$60,000.00	\$40,000.00	\$250,000.00
6	cash flow	-\$70,000.00	\$0.00	\$40,000.00	\$25,000.00	\$50,000.00	\$45,000.00
7	npv	\$14,537.63					

Project charter

Project Title: jam

Project Start Date:10/1/2023

Projected Finish Date: 1/12/2023.

Budget Information: 300,000\$

Project Manager: Taif Alhothali, 0556677889, 2110497@uj.edu.sa

Project Objectives:

Due to the increased number of cars here in Jeddah, the wasted time in traffic jams became an issue that delays almost everything in our lives. The main objective of this application is to decrease wasted time in a traffic jam by receiving the alert before any reason that makes the user late.

Main Project Success Criteria:

- The application helps users to avoid the traffic jam and be on time
- finishing the project within the budget allotted
- completing the project in the allotted time
- Achieving the customer satisfaction target

Approach:

Development Methods

1.1. Agile approach(scrum)

1.2. Integration and configuration

Testing strategies

2.1. Unit testing

2.2. Component testing

2.3. System testing

verification and validation requirements

3.1. follow the requirements document.

3.2. take feedback from the users.

management

4.1 Budget management

4.2 Schedule management



Project charter

(WBS) Work Breakdown Structure of tasks

Milestones

Roles and Responsibilities

Role	Name	Organization/ Position	Contact Information
Project Manager	Taif Alhothali	Project leader - manager	0556677889, 2110497@uj.edu.sa
Designer	Raghad Ali	IT-Department	Raghad@hotmail.com
investor	Maha Mohammed	PMO Director	maha@hotmail.com
Software Tester	Atheer Alghamdi	IT-Department	2111179@uj.edu.sa

Sign-off: (Signatures of all above stakeholders. Can sign by their names in the table above.)



Comments: (Handwritten or typed comments from the above stakeholders, if applicable)

(The project must be done in a year at most - Taif Alhothali)

(we need to be extremely careful testing in this new system especially the security part -Atheer Alghamdi)

Project scope processes & reports

5.1 Project Justification:

This project will increase the number of clients due to the constant traffic jam that they face daily, along with that it will increase profits. The budget for the project is 300,000. The additional cost is 25,000 for maintenance after the project is completed. The average estimated benefit is 223,000 per 5 years.

5.2 Product Characteristics and Requirements:

1. Help the users to find their way without facing any traffic jams even in rush hours.
2. Jam application will update the road status which includes the closed roads, and jammed roads and it will also suggest the perfect way to reach their destination without any delay.
3. The program will provide the ability to search for the current status of a specific road.
4. The program will notify the user if the road he/she uses is closed.

5.3 Summary of Project Deliverables

Project management-related deliverables: business case, charter, team contract, scope statement, WBS, schedule, cost baseline, status reports, final project presentation, final project report, lessons-learned report, and any other documents required to manage the project.

Product-related deliverables: research reports, design documents, software code, hardware, etc.

1. Survey: survey users to limit the traffic jam problems in Jeddah
2. Related software reports: to collect the appropriate approaches that will help to develop our application
3. Project Benefit Measurement Plan: The Project Benefits Measurement Plan will measure the financial value
4. Test Plan: it's a document that contains how the system will be tested

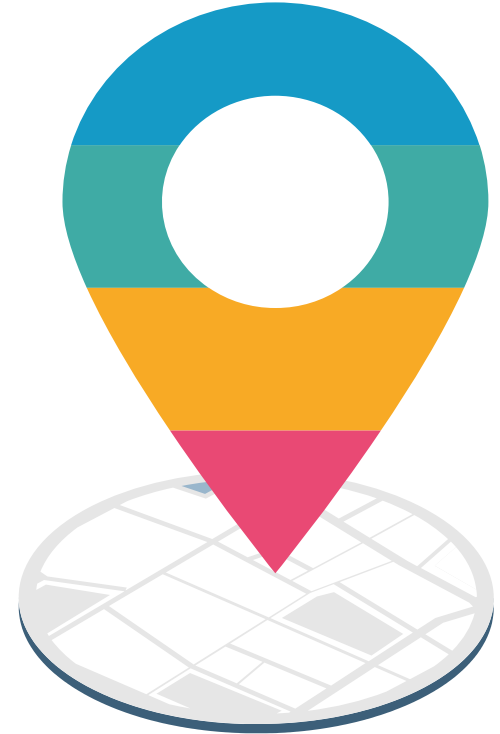
5.4 Project Success Criteria:

Our goal is that the project will be ready and finished within a year according to the plan with good quality and meet the needs of the users.

With no more than \$300,000.



Project schedule (Giant Chart):



Comments

Project challenges

Leadership



Lesson-Learnd

Product constraint

Teamwork

Conclusion

Any questions ?



Future endeavors

- Increase our map to cities other than Jeddah
- Improve performance
- Other improvements

The end of our trip

**Thank you for listinig
team mempers :**

Joud Alshehri

Atheer Alghamdi

Taif Alhothali

Amani Mansour

