



Project sponsor: Communications authority

Project manager : Yasmin Sufian

Project team:

Yasmin Sufian – Heba Osman – Hager Ahmed – Hager Abdulrahman – Nourhan Badran.

Project charter

Project Description

It is an application that enables customers to browse a variety of restaurants and see the dishes offered by these restaurants, customize the dishes according to their requirements and place an order and the order will be delivered in the shortest possible time.

Project Goals

- The application interface is simple and easy to use.
- Any user can get the application as it is compatible with all versions of the Android operating system and iOS for iPhone.
- Completely free.
- Supports Arabic and English languages.
- Its storage space is reasonable compared to other applications.
- allows the customer to track the request through the GPS service.
- being light so that can be installed in just a few seconds without waiting.
- Show customer reviews for each restaurant

Project Business case

Due to what we are living through recently, in light of the Corona pandemic, many restaurants have been closed and conditions are no longer the same as before. Therefore, this application is used to help customers identify the foods offered by the group of restaurants available on the site, order food with delivery, in addition to providing all possible payment methods, whether electronic payment or payment cash on delivery.

Assumption

- 1- The project does not take more than 3 months.
- 2- The cost is no more than 20,000 \$
- 3- Efficiency in the devices.

constrains

Deadlines ;

The project starts on January 7th and ends on the first of April, where the preparation phase takes 2 weeks, then the building phase, which takes 8 weeks, and finally the Hosting and marketing phase, which takes 3 weeks.

Income:

The project budget is 20,000 \$:

15% preparation.

60% Building

25% Launch

Resources

- Software programming team
- Good internet connection
- Application components (meal menu, prices, ..etc)
- App Name and logo
- Financial resources for the following:
 - Advertising Marketing
 - Customer acquisition [mainly gifts]
- human resources such as:
 - Restaurant managers
 - Software designer
 - Delivery staff
 - Counsel
 - Computer systems experts
 - CRM experts

High-level risks

- The entry of a virus into one of the programmers' devices and data loss.
- Hacker penetration of one of the devices and manipulation of data.
- Not adhering to the deadlines set in the network, and consequently, a delay in the other stages.

Project Scope

Executive Summary

Food delivery is an application that enables customers to browse a variety of restaurants by registering into the application or login in without registering, detecting location or country, browsing the dishes offered by these restaurants, customizing dishes according to their requirements, and submitting the order. In addition to saving their favorite orders allowing them to easily reorder in the future. The application receives the order message and sends it to the desired restaurant through a communication program between the application and the restaurant and ensures that the order reaches the customer at the right time, which saves the hassle of directly contacting the restaurant, determining location, etc. allowing the customer to track the order through the GPS service. Customers can pay via credit card online or pay when the order arrives.

Project objective

to Create an app for ordering and delivering food. The project must be completed within three months at a cost not exceeding 20,000 \$

Deliverables

- Licenses, permits, and documentation.
- Contracting with restaurants, delivery companies, marketing companies, and technology experts.
- Analyzing, Setting the initial specifications for the application
- Design
- Software coding
- Quality Assurance
- Hosting the app in the app stores
- Marketing

Milestones

- Permits approved _ Jan 13
- contracting with the first restaurant _ Jan 18
- complete the Prototype _ Feb 24
- finishing Application tests _ March 11
- The app is available in stores _ March 18

Technical requirements

1- A license for electronic applications must be obtained through the establishment of a commercial registry from the headquarters of the Chamber of Commerce, which must be carried out by the application management.

2- To design the user interface (UI/UX), we will be using Figma. This is an all-web-based platform that simplifies collaboration, as it's easy to share work and designs with anyone who might need to contribute.

3- An application is written in Java. because it must run on the Internet to take orders for its products and services on the Internet. Java's sandboxing and ability to build highly secure solutions help it stand apart from others.

4- To market the application, it is possible to resort to the Internet, especially social networking sites, such as: Facebook, Twitter, Instagram, Snapchat, and LinkedIn, and to start creating a page on these platforms, offering some offers on delivery services, announcing the specific delivery period and other features that we offer to customers through the application The application can also be marketed through billboards scattered on roads and highways.

Limits and exclusions

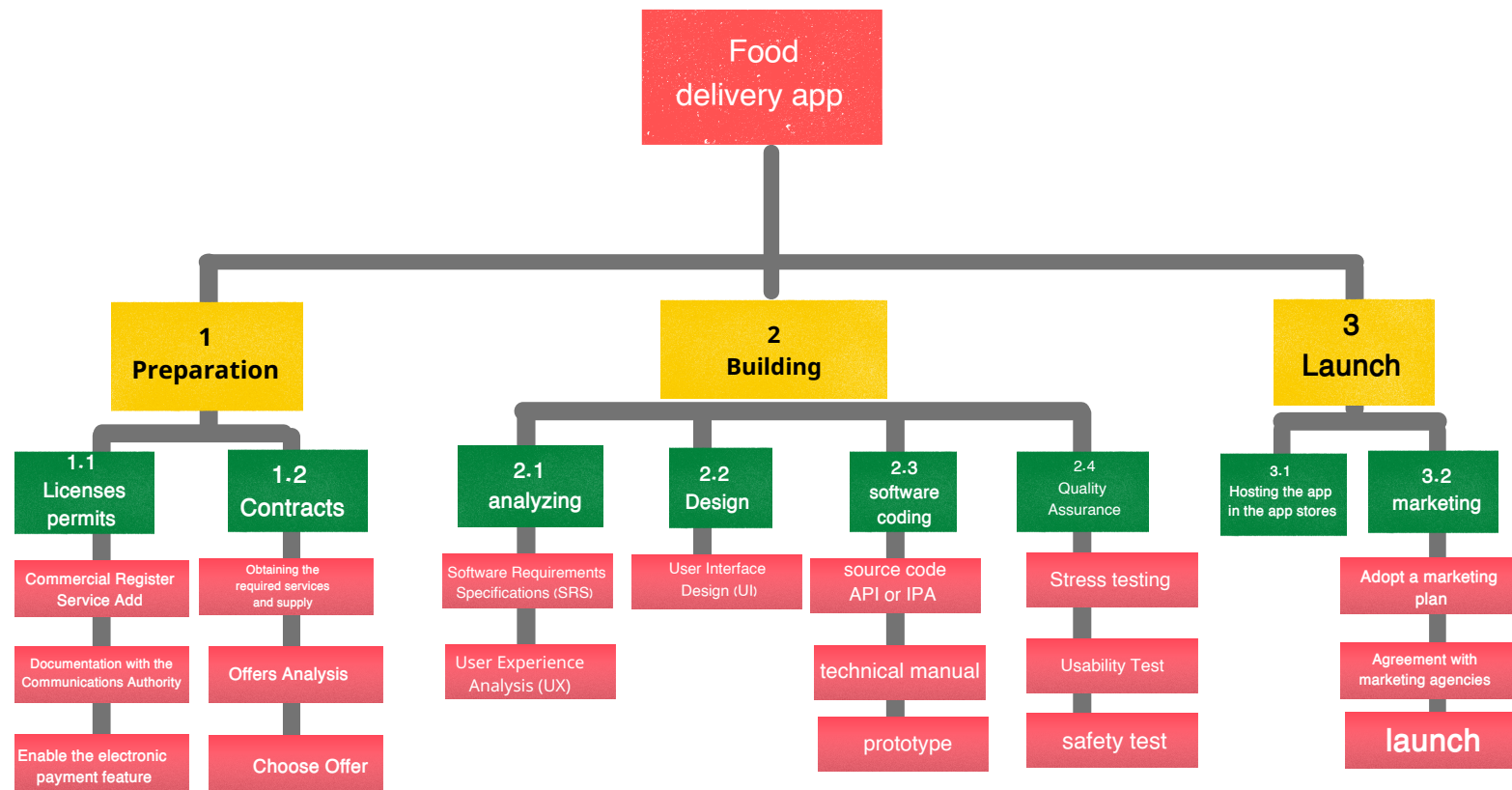
- The application will only work with an internet connection.
- Delivery will not be available from any restaurants other than those shown in the application.
- The application does not sell or interfere in any way with the production or preparation of any food in restaurants, and what it offers to users is only to provide the ability to

Reviews with customer

it is important to ask customers if :

- the app is too easy to use
- the service is good
- the order is received on time
- this app saves time
- there is any restaurant would he like to add
- there is any suggestion to make the app better

WBS



WBS Dictionary

ID	Activity	Resposiabile	Start Date	Finish Date	Duration (weeks)	Budget (20,000 \$)
1	Licenses, permits and documentation	Hajer Abelrhman	7/1/2022	14/1/2022	1	1,000 \$
2	Contracts	Yasmin sufain	14/1/2022	21/1/2022	1	2,000 \$
3	Analyzing	Hager Ahemed	21/1/2022	4/1/2022	2	3,000 \$
4	Design	Norhan Badran	21/1/2022	28/2/2022	1	4,000 \$
5	Software coding	Heba Osman	4/2/2022	25/2 /2022	3	3,000 \$
6	Quality Assurance	Yasmin sufain	25/2/2022	11/3/2022	2	2,000 \$
7	Hosting the app in the app stores	Norhan Badran	11/3/2022	18/3/2022	1	2,000 \$
8	Marketing	Hajer Abelrhman	18/3/2022	1/4/2022	2	3,000 \$

WBS Dictionary

1.Preparation

1.1 Licenses permits

- 1.1.1 Commercial Register Service Add
- 1.1.2 Documentation with the Communications Authority
- 1.1.3 Enable the electronic payment feature

1.2 Contracts

- 1.2.1 Obtaining the required services and supply
- 1.2.2 Offers Analysis
- 1.2.3 Choose Offer

2. Building

2.1 analyzing

- 2.1.1 Software Requirements Specifications (SRS)
- 2.1.2 User Experience Analysis (UX)

2.2 Design

- 2.2.1 User Interface Design (UI)

2.3 software coding

- 2.3.1 source code (API or IPA)
- 2.3.2 technical manual
- 2.3.3 prototype

2.4 Quality Assurance

- 2.4.1 Stress testing
- 2.4.2 Usability Test()
- 2.4.3 safety test

3. Launch

3.1 Hosting the app in the app stores

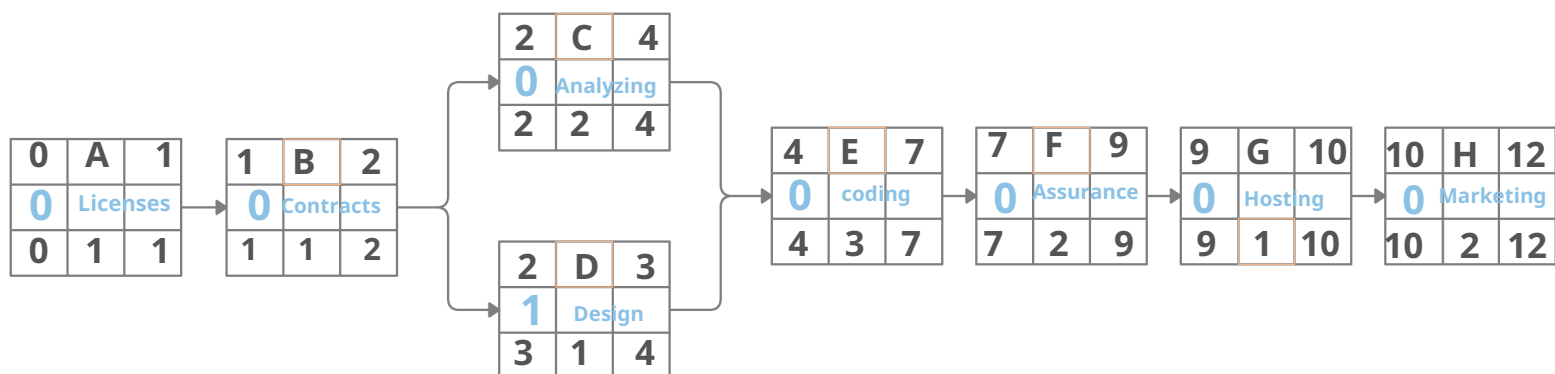
3.2 marketing

- 3.2.1 Adopt a marketing plan
- 3.2.2 Agreement with marketing agencies
- 3.2.3 launch

Network information

Activity	Description	Preceding Activity	Duration (weeks)
A	Licenses, permits and documentation	None	1
B	Contracts	A	1
C	Analyzing	B	2
D	Design	B	1
E	Software coding	C,D	3
F	Quality Assurance	E	2
G	Hosting the app in the app stores	F	1
H	Marketing	G	2

Activity-on-Arrow Network



the critical path = A - B - C - E - F - G - H

Responsibility Matrix

Task	Norhan Badran	Hajer Abelrhman	Heba Osman	Hager Ahemed	Yasmin sufain
Licenses, permits and documentation		R	S	S	
Contracts	S		S		R
Analyzing		S		R	S
Design	R		S		
Software coding			R	S	
Quality Assurance	S	S			R
Hosting the app in the app stores	R		S	S	
Marketing	S	R		S	S

R = Responsible
S = Supports/assists

Gantt Chart

ID	Duration (weeks)	Task Name	ES	EF	LS	LF	FS	TS	January	February	March	April
1	1	Licenses, permits and documentation	7/1/2022	14/1/2022	7/1/2022	14/1/2022	0	0				
2	1	Contracts	14/1/2022	21/1/2022	14/1/2022	21/1/2022	0	0				
3	2	Analyzing	21/1/2022	4/1/2022	21/1/2022	4/2/2022	0	0				
4	1	Design	21/1/2022	28/2/2022	28/1/2022	4/2/2022	1	1				
5	3	Software coding	4/2/2022	25/2 /2022	4/2/2022	25/2/2022	0	0				
6	2	Quality Assurance	25/2/2022	11/3/2022	25/3/2022	11/3/2022	0	0				
7	1	Hosting the app in the app stores	11/3/2022	18/3/2022	11/3/2022	18/3/2022	0	0				
8	2	Marketing	18/3/2022	1/4/2022	18/3/2022	1/4/2022	0	0				

-Resources-constraint schedule:

[illegible]

-Baseline Budget:

ID	DUR	TASKS	Budget0	1	2	3	4	5	6	7	8	9	10	11	12
A	1	Licenses	1000	1000											
B	1	Contracts	2000		2000										
C	2	Analyzing	3000			2000	1000								
D	1	Design	4000					4000							
E	3	software coding	3000					1000	1000	1000					
F	2	Quality Assuran	2000								1000	1000			
G	1	app is available in stores	2000										2000		
H	2	Marketing	3000											2000	1000
Week Total			20000	1000	2000	2000	1000	5000	1000	1000	1000	1000	2000	2000	1000
Commutative				1000	3000	5000	6000	11000	12000	13000	14000	15000	17000	19000	20000

Risk:

Risk	Impact	Probability	Response Strategy
Loss of restaurant owner support	H	L	Increasing contact with him in addition to increasing his knowledge of the project and what has been accomplished.
Lack of clarity about the objectives of the project for the beneficiaries.	L	M	Conducting frequent awareness meetings.
Internet service interruption.	H	L	Contracting with a company that has satellite internet.
Delay in design delivery.	H	M	Hiring a well-known old designer.
Users are afraid of using the app	H	M	increasing advertising campaigns on social media and in sports activities, and showing the safety feature in the application.
Lack of materials and scarcity in the equipment needed for the project.	H	L	Work with the available resources and develop an alternative plan with fewer resources
The people involved in the project might not be in their best condition or health.	M	M	Calling alternate persons.