

Project Plan

DoForYou

Team Member	Danny Nguyen
Team Member	Elizaveta Vygovskaia
Team Member	Yoonhee Kim
Team Member	Hoon Yim

Document Revision History

Revision #	Date
1	October 9, 2022

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1. Executive Summary

The following describes the project to be executed.

Objective	The objective of our project is to create an application where users are able to hire and find individuals that are offering professional help and where individuals will be able to look and showcase their skills and experience. The way our team will execute the project will be through a web and mobile application where users and customers will be able to navigate and use.
Corporate Goals Addressed	<ul style="list-style-type: none"> - Increase traffic through both web and mobile applications - Gather information from both users and customers to improve customer satisfaction - Evolve and improve the quality and service of the product - Develop new users and customers - Gather information from employees to increase and improve employee satisfaction - Optimize product and service pricing for users and customers
Planned Start Date	October 7, 2022
Planned End Date	March 31, 2023

2. Project Approvers, Reviews and Distribution List

Approvers, reviewers and distribution list

Project Role	Name	E-mail	Date
CEO	Elizaveta Vygovskaia	elizaveta.vygovskaia@georgebrown.ca	October 7th, 2022
CTO	Hoon Yim	hoon.yim@georgebrown.ca	October 7th, 2022
System Analyst	Yoonhee Kim	yoonee.kim@georgebrown.ca	October 7th, 2022
Product Manager	Danny Nguyen	danny.nguyen3@georgebrown.ca	October 7th, 2022

3. Scope

This product will have the following features:

- Web & Mobile compatible UI
- Chat system
- Payment system
- GPS
- Opening threads
- Leaving reviews on threads
- Customer care
- Notification System
- Calendar
- User authentication
- Database

This product will not consider the following features:

- Dedicated hardware
- Window & MacOS Application

4. Deliverables

This project will deliver the following.

Deliverable	Description
Project Meetings	Where members of the team will get together to discuss and do documentation about the project
Project Charter	Where members of the team will discuss the project objectives, project scope, and project responsibilities
Risk & Issues Log	A log where project risks or issues defined through the project are documented
Requirements Document	A list of requirements needed for each meeting that will be checked off once completed
Communications Plan	A document of how each team member communicated in what manner for example in person, discord, zoom, skype etc...

5. Assumptions

The DoForYou is developed using a component-based software and web development approach.

Main components: Android Studio, Visual Studio Code, DBMS, External framework & libraries, SEON and Payment System.

Android Studio - Our product will be using Android Studio which our members assume that customers will have an android compatible device

Visual Studio Code - Our product will consist of a web browser where customers and contractors can use to navigate to find work/contractors. Hence assuming users will have a compatible desktop, laptop and or cell phone.

DBMS - Our product will store any types of data that are related to or produced from our application using relational databases such as Oracle, MySQL, MS SQL, etc.

External framework & libraries - Our product will rely on some external libraries to increase productivity such as Express, Mongoose, .Net Framework, Spring, etc.

SEON and Payment System - Our product will implement a payment system which we'll assume that users will have a valid Debit/Credit card to issue payments.

6. Dependencies

The following are the internal and external dependencies that will have to be acknowledged and addressed:

Socket IO - Our product will be using Socket IO library to offer a chat system to our users.

Express / .Net Framework / Spring - Our product will be using one of the three frameworks to implement our whole back-end structure.

Encryption Library - Our product will be using a third-party encryption library, so that we can securely protect users' private information.

ODM (Object Data Modeling) Library - Our product will be using an ODB library like Mongoose or Hibernate to accelerate our project process.

Front-end Renderer - Our product will be using a front-end renderer such as React, Vue, Angular, Pug, etc.

7. Risk Management

Potential Risk	Severity (H/M/L)	Likelihood (H/M/L)	Management Strategy
No control over developers priorities	M	M	Describe importance of the project, frequent meetings, motivational speech
Lack of communication	L	L	Encourage open communication by creating an environment where people feel comfortable asking questions or raising concerns
Unavailability to work during illness/injury	L	L	Assign backup personnel to handle the work of critical employees when they are absent due to a health-related concern.
Project schedule is not clearly defined or understood	L	M	Discuss tasks and timelines each week with team members on meetings

Absence of team members	L	L	Set meetings for days that all team members are available
Commitment to project	L	L	Allow the team to choose how much work they need to do until the next meeting
Cost estimate of project	L	L	Thoroughly research materials for our project in order to determine costs.
Timeline Estimate Unrealistic	M	M	The team will meet every week to go over materials that have been completed in order to estimate a time of completion
Implementation of softwares required for the project	H	H	Research and find out what software/code is needed in order to complete this project
Cyber attack from outside	H	H	Implement security features where individuals from outside cannot attack
Communication and authorization structure	M	M	A team member will be chosen to make the final decision and to make sure there are no miscommunication between team members
Poor understanding of customer requirements	L	L	Team members will seek feedback from customers to implement features they deem necessary
Unclear team roles and responsibilities	L	L	During each meeting with the team, we'll discuss what team member is responsible for what material and their role
Requirement changes to the project	M	M	There will be a large number of changes to the requirements than anticipated

8. Communication

Reporting

The following reports will be produced;

Report	Audience	Frequency
Reports of meeting	Project Manager	Once a week
Reports of completed tasks	Project Manager	Once a week
Review report	Project Manager	Once a week

Meetings

The following meetings/communication will be established;

Meeting	Purpose	Attendees	Frequency
Project Plan Meeting	Document and fill our required fields with team members	Danny Nguyen Elizaveta Vygovskaia Yoonhee Kim Hoon Yim	2 Days Total
Overview Meeting	Discuss what tasks has been completed for the project	Danny Nguyen Elizaveta Vygovskaia Yoonhee Kim Hoon Yim	Once a week

9. Task Listing (WBS- Work Breakdown Structure)

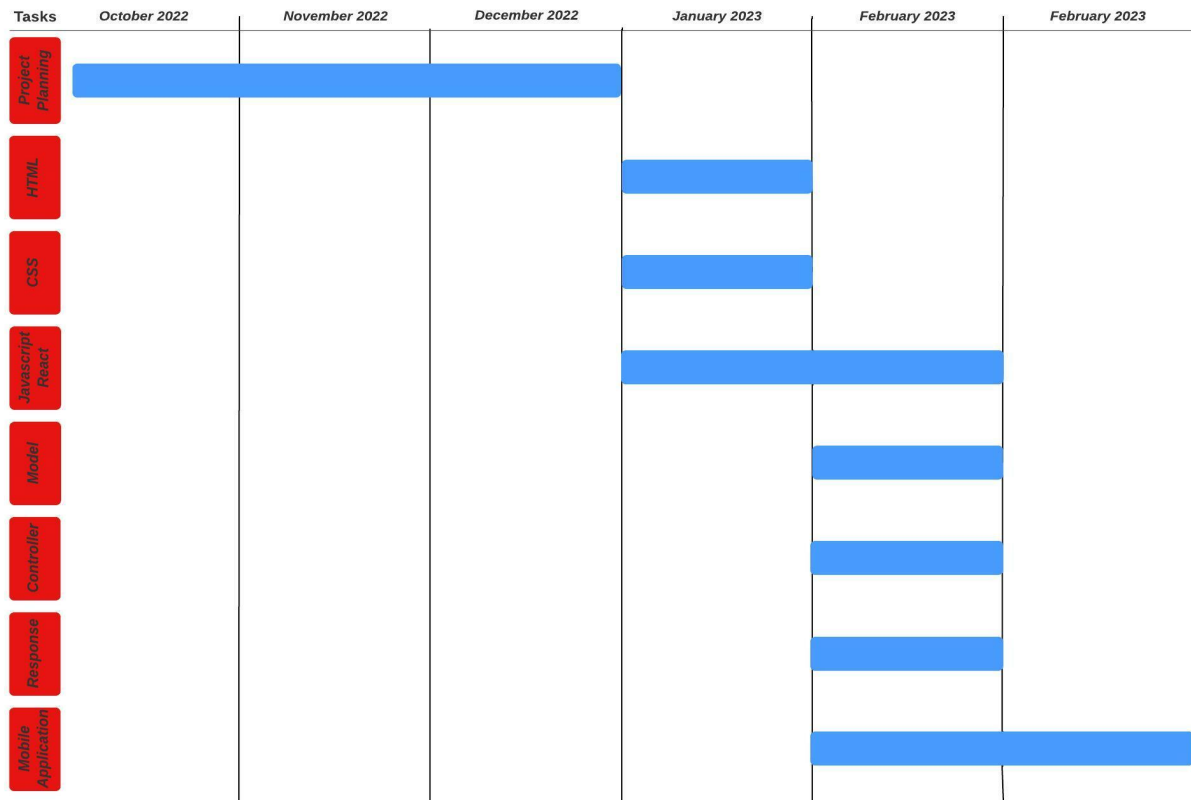
The following resource proposal template summarizes the resource hours committed to this project, upon final approval of this document.

Reference	Tasks	Duration
1	Front-End	15 Days
1.1	Web	
1.1.1	HTML	
1.1.1.1	Install all required libraries	
1.1.1.2	Build basic html structure	
1.1.2	CSS	
1.1.2.1	Install all required libraries	
1.1.2.2	Create templates	
1.1.2.3	Import css files into html	
1.1.3	Javascript/React	
1.1.3.1	Install all required libraries	
1.1.3.2	Create scripts for functionality of HTML	
1.2	Mobile	
1.2.1	Create all layouts and activities	
1.2.2	Create templates	
1.2.3	Import all required views into layouts	
1.2.4	Organize structure	
1.3	Connect front-end to back-end	
2	Back-End	20 Days
2.1	Model	
2.1.1	SQL Database	
2.1.1.1	Install required software	
2.1.1.2	Create a database using SQL	
2.1.1.3	Connect DB with ODM library	
2.1.2	DB Schema	
2.1.2.1	Set up schemas for DB tables	
2.1.2.2	Create tables	
2.1.2.3	Test DB with dummy data	
2.2	Controller	
2.2.1	Response	
2.2.1.1	Create routers	
2.2.1.2	Create functions for each endpoint accordingly	
2.2.2	Error Handling	
2.2.2.1	Create global error handler	
2.2.3	Authorization	
2.2.3.1	Create authorization controller	

2.2.3.2	Attach for every endpoint needs to be authorized to access	
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10. Gantt Chart

Create a detailed Gantt Chart from your Task Listing(Use any software tool and paste the image or upload as a separate file that can be opened as pdf/doc/xls)



11. Milestones

Major Activity or Milestone	Estimated Milestone Target date	Owner/Reviewer Team Members
Completion of project planning	December 2022	Danny Nguyen Elizaveta Vygovskaia Yoonhee Kim Hoon Yim
Completion of Web application	February 2023	Danny Nguyen Elizaveta Vygovskaia Yoonhee Kim Hoon Yim

Completion of Mobile application	March 2023	Danny Nguyen Elizaveta Vygovskaia Yoonhee Kim Hoon Yim
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12. RAM – Responsibility Assignment Matrix

Tasks	Danny Nguyen	Elizaveta Vygovskaia	Yoonhee Kim	Hoon Yim
Project Planning	P	P	P	P
HTML	S		P	
CSS	S		P	
Javascript/React			P	
Model	P			S
Controller	S	P		P
Response	P	S		
Mobile			P	S

P: Primary, **S:** Secondary

13. Approval

The signatures below indicate their approval of the contents of this document.

Project Role	Name	Signature	Date
CEO	Elizaveta Vygovskaia	<i>Elizaveta Vygovskaia</i>	Oct 9, 2022
CTO	Hoon Yim	<i>Hoon Yim</i>	Oct 9, 2022
System Analyst	Yoonhee Kim	<i>Yoonhee Kim</i>	Oct 9, 2022
Product Manager	Danny Nguyen	<i>Danny Nguyen</i>	Oct 9, 2022