University of Rajshahi

"House Renting"

B.Sc. (Engg.) Part-4, Exam-2018

CSE4192: Project (Part-I)

Submitted By:	Submitted To:
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Overview:

House renting is a web application that is people can advertise their own house and people can view house advertisement who want to rent house.

Scope of the project:

The scope of the project is built an online platform specially for house renting purpose in Bangladesh. This is an E-commerce platform. This project is chosen for business purposes.

Core Objective:

In Bangladesh nowadays all most service is being online based. Most advertisement is published is online based. But there is one platform for online house renting which is very important for urban area. Here are final goals:

- It is simple and easiest way to give an advertisement.
- An adviser advising his house with picture and description and other necessary things and other people view advertise who want to house rent.
- House renter and house advertiser will communicate throw phone number.
- Real time communication is included.
- It is reduced time and cost both renter and advertiser.

Background Study:

This idea is coming from, When I was searching a fair house in emergency. Though this idea is not applied experimentally, it is most

popular other development countries. For this reason, I will expect, it will be getting popularity and it has a big commercial value.

Local market:

- As I know, there is one website available name as "bproperty".
- It is no more popular and effective.
  Link: https://www.bproperty.com/

Global market:

- In development countries about 96% people find their house in online.
- House renting system is most popular.

  Link: https://www.lacartedescolocs.fr/

  Link: https://www.spotahome.com/

Feasibility Study:

Technical:

- I have 1year experience on angular for Front-End design and 6month experience on node.js framework for Back-End design.

Economical:

- This is business purpose project.
- There is no more competitive web application for house renting. So, expected benefit will coming soon.

Environmental:

- This is such as project that is impact of all class of professionals.
- Trustworthy provide transaction.
- To give wrong information by cheat people will be prevent.

Application area:

- ➢ This Project is used as business purposes.
- ➢ Actually, this project is popular in urban area.
- ➢ All class of professionals will be most popularities.

Technology to be used:

- ❖ **Client Side**
  - ➢ HTML
  - ➢ CSS
  - ➢ Bootstrap
  - ➢ Angular Materials
  - ➢ Angular 6

- ❖ **Server Side**
  - ➢ Language
    - ▪ JavaScript
  - ➢ Framework
    - ▪ Node.js
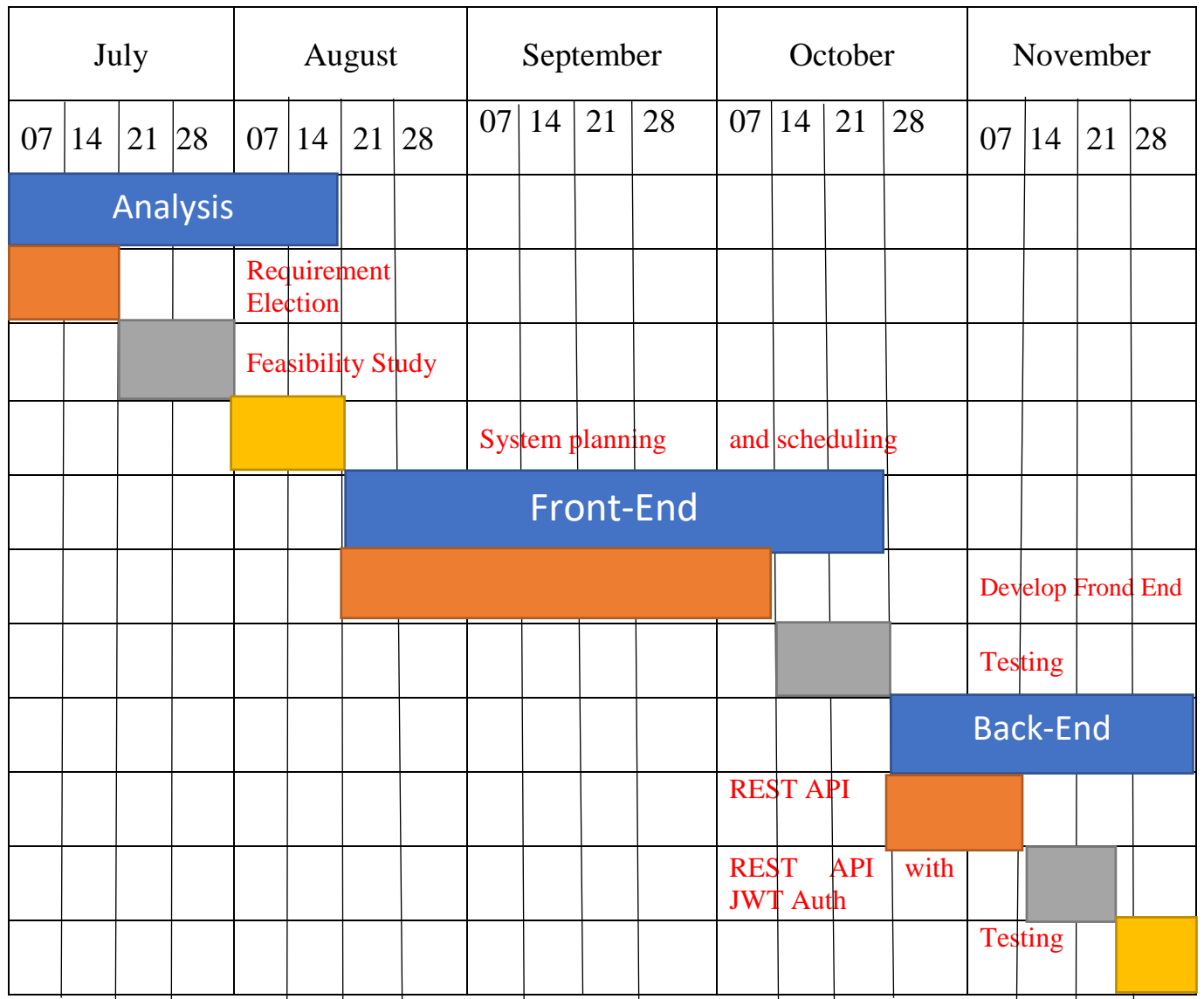 - ➢ Database
    - ▪ MongoDB

Design steps and implementation:

➢ Database design.
➢ Frond-End design
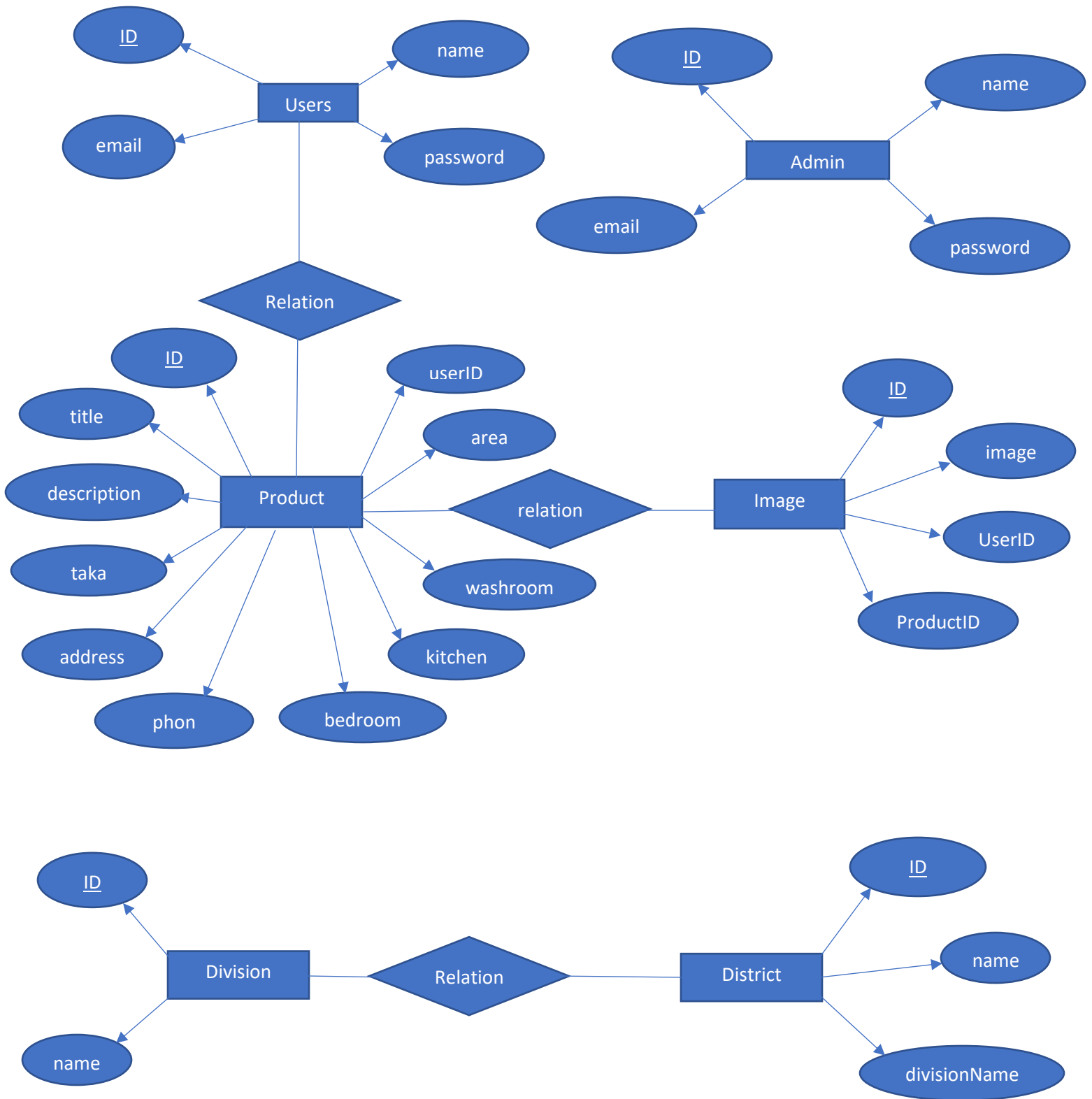➢ Back-End design with REST API
➢ REST API with JWT Authentication.

Task list and require time for this project is given the below:

Task Name	Start Date	End Date
❖ **Analysis**	**24-07-2018**	**12-08-2018**
➢ Requirement election	24-07-2018	31-07-2018
➢ Feasibility Study	01-08-2018	06-08-2018
➢ System Planning and Scheduling	07-08-2018	12-08-2018
❖ **Front end**	**15-08-2018**	**25-10-2018**
➢ Develop font end	15-08-2018	20-10-2018
➢ Testing Front-End	21-10-2018	30-10-2018
❖ **Backend**	**31-10-2018**	**30-11-2018**
➢ Node.js REST API	31-10-2018	15-11-2018
➢ REST API with JWT Authentication	16-11-2018	21-11-2018
➢ Testing Back-End	22-11-2018	30-11-2018

The Gantt chart for developing the project is given below:

	July				August				September				October				November			
	07	14	21	28	07	14	21	28	07	14	21	28	07	14	21	28	07	14	21	28
Analysis																				
					Requirement Election															
					Feasibility Study															
									System planning		and scheduling									
Front-End																				
																Develop Frond End				
														Testing						
Back-End																				
												REST API								
												REST API with JWT Auth								
												Testing								

Relational Database (ER Diagram):

Expected outcome:

- ➢ Complete business Platform.
- ➢ It is reduced time and cost for both renter and advertiser.
- ➢ It is help to hurry up to find a house for rent.

Signature with date---------------------	*Signature & date-------------------------*
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