*University of Rajshahi*



*“House Renting”*

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

*CSE4192: Project (Part-I)*

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| *Submitted By:* | *Submitted To:* |
| *Shahabuddin Ahmed*  *Roll: 14095415*  *Session: 2013-14*  *Dept. of CSE* | *Kazi Jahidur Rahman*  *Assistant Prof.*  *Dept. of CSE*  *University of Rajshahi* |

**Overview:**

House renting is a web application that is people can advertise his or her 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 are 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.
* House renter and house advertiser is communication 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 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):**

Users

Admin

Relation

Product

relation

Image

District

Relation

Division

**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*-------------------------- |
| Shahabuddin Ahmed  Roll: 14095415  Dept. of CSE  Session: 2013-14 | Kazi Jahidur Rahman  Assistant prof.  Dept. of CSE,  University of Rajshahi |