Team Project
Deliverable 3 – Project Phase 1
CSCE 5430 (Fall 2021)

1. **Report:** One document (e.g., Deliverable-3.pdf) that contains the following items:
    a. Requirements
    List a set of requirements designated for **phase 1**.

A) FUNCTIONAL REQUIREMENTS FOR PHASE 1:

The functional requirements for phase 1 are same as mentioned in the deliverable 2. The functional requirements are as follows.

- User Interface: Proper web UI is offered for the user.
- Home Page: Various Services are offered to the customer. All of them are mentioned in the Home Page. Few of them are washing machine repairs, electric repairs and plumbing fixes.
- Navigation Page: Navigation Page allows the user to navigate to various pages.
- After Scheduling appointment by the customer, worker is sent to the work location.
- Providing Services Information: Information on various services are provided.

B) NON-FUNCTIONAL REQUIREMENTS:

The non-functional requirements are as follows:

- The quality constraints that satisfy our project are
    i) Flexibility – Everyone without any restrictions, can use the webservice after registering.
    ii) Security – All the details of the users are highly secured and will not be shared to any at any cost.
    iii) Efficiency – The web application is highly efficient and the efficiency is maintained every time. If any bugs are identified those will be removed by the admin.
    iv) Portability – Everyone can use the web application as it is portable and the storage required is less.

v) Reliability – Correctness is offered at every step. Admin always verifies the product and maintains reliability. If any fraudulent activities are done by the user, admin detects them and blocks the user from using the web application.

C) INTERFACES:

User Requirements:

- Initially the user has to create an account after opening the webpage.
- During the account creation, all personal details like name, email, contact number and address are to be entered.
- After account creation, user has to login and is navigated to the login page.
- All the accounts are managed by the Admin.
- In the login page, the user has to enter the Username and password and must login.
- After logging in, Home page is displayed and various problems can be browsed like washing machine repairs and electric fixes.
- The user has to select the appropriate one based on his requirement.
- Scheduling an appointment requesting for the service and all the further steps are implemented in the further phases.

Front End Design:

Software Technologies Used:

HTML (Hyper Text Markup Language)**:** HTML **is** a traditional language used for communication between Webserver and net shopper. It is the basic language with in the middle of server and shopper and stands for Hyper Text terminology.

Cascading Style Sheets: It is a style sheet language used for describing the presentation of a document written in a markup language like HTML.

JavaScript:

JavaScript is the programming language used for the web.

JavaScript can update and change both HTML and CSS.

JavaScript can calculate, manipulate and validate data.

Boot Strap:

Boot Strap is the most popular HTML, CSS and JS framework for developing responsive, mobile first projects on the web.

HARDWARE REQUIREMENTS:

Processor : Intel 13 and above

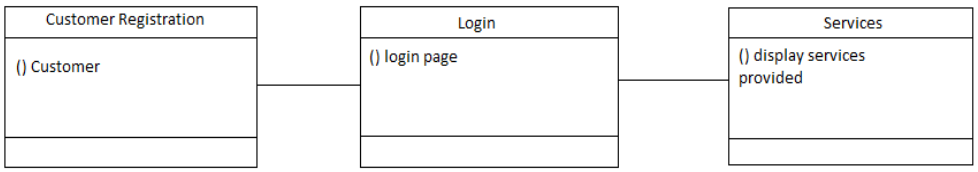
RAM : 2 GB and above

Hard Disk : 500 GB and above

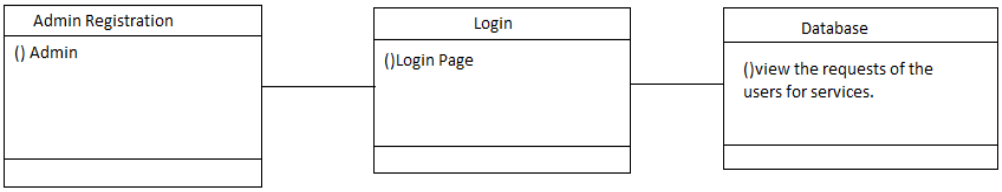
b. UML design for **phase 1**. You must include the following diagrams:

- Class diagram

Customer/User Class Diagram:

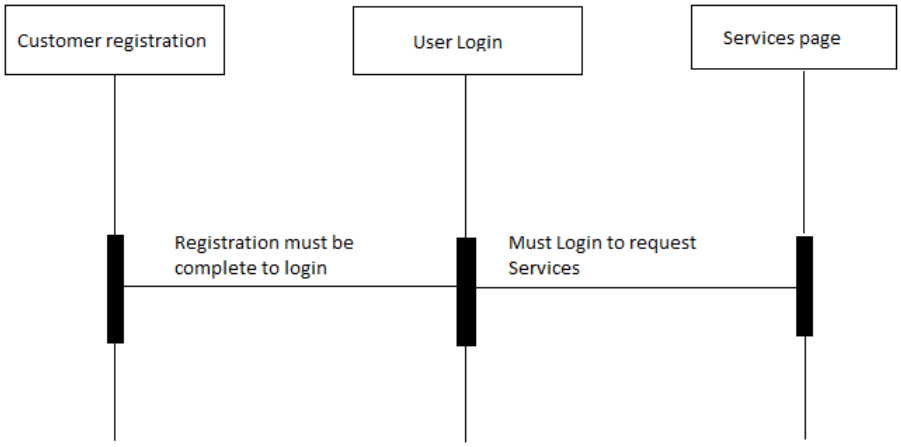


Admin Class Diagram:

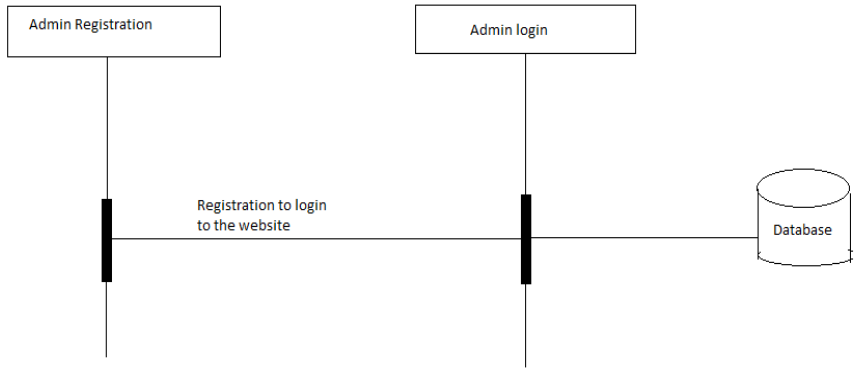


- Sequence diagram

customer /User Sequence Diagram:

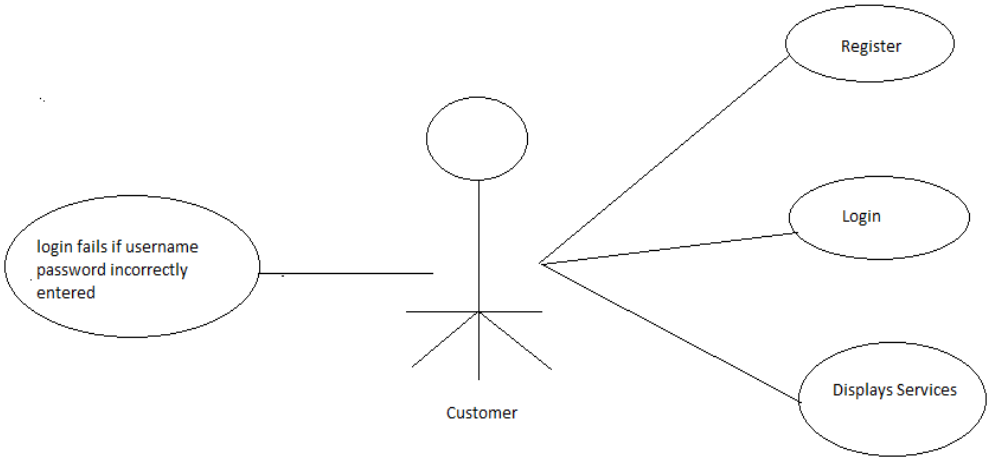


Admin Sequence Diagram:

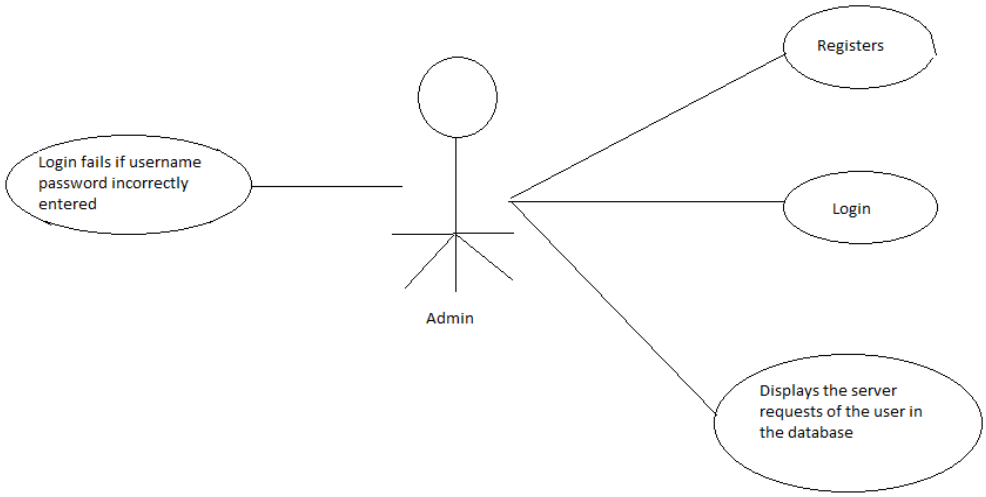


- Use case diagram – one normal case and one error case should be included.

Customer UseCase Diagram:



Admin UseCase Diagram:



c. Test Cases (unit tests) for **phase 1**.
List a set of test cases used for testing the working program including descriptions of tests (e.g., what functionality they test, and inputs/outputs for them).

Step no.	Test Case	Step Description	Expected Output	Actual Output	Result
1	Installing NetBeans	Installing NetBeans	Installed	Installed	Success
2	Running Source Code	Running Source Code	Executed	Executed	Success
3	User Registration	User entering his details like Username, Password, Mail ID for sign up	Successfully signed up	Successfully signed up	Success
4	Admin Registration	Admin entering his details like Username, Password, Mail ID etc.. for sign up	Successfully signed up	Successfully signed up	Success
5	Admin Login	Enters Username, Password correctly	Successfully logins	Successfully logins	Success

6	User Login	Enters Username, Password correctly	Successfully logins	Successfully logins	Success
7	Admin Login	Enters Username or Password incorrectly	Successfully logins	Login Fails	Fail
8	User Login	Enters Username or Password incorrectly	Successfully logins	Login Fails	Fail

d. A user manual that tells us how to install/use your program. This is meant for the end-user of the software. You may include screen shots, where appropriate.

- Download the project repository from GitHub.
- Run the code through NetBeans after installing JDK.
- Registration page will get displayed. After registering it navigates to the login page. After login services offered will get displayed.

e. Clear instructions on how to compile/run both your program and your test cases (the program must compile/run).

- JDK has to be installed according to the OS platform. Windows users has to install Windows JDK. Mac Users and Linux Users has to install the one which supports their OS.
- Install NetBeans. Installing NetBeans will also install Java SE, Java EE, HTML/ JavaScript, PHP.
- After installing a new project has to be created and a project name has to be given and project location has to be set.
- We must put all the code in the folders created in the given project name and run the code.
- We get the required output.

f. A section that briefly describes feedback received during **the peer review** session and actions taken based on the feedback.

ANS: In the peer review session, all our teammates described about our project titled **ONLINE HOME SERVISES** to mighty8 team. We explained all the requirements needed for our project in detail to them and they are HTML, CSS, Python, NetBeans with IDK, JAVASCRIPT, JDBC. Also explained about the features of our project like Secure Admin Login, Multiple repair services offered in homes like plumbing fixations, electric repairs, washing machine repairs etc., time scheduling, payment method i.e. collecting money from the customer, and feedback from the customer. The feedback from the mighty8 team is quite good regarding all the features of our project but there were few suggestions. They are

1. They suggested to change the mode of payment i.e. instead of collecting money by worker from the customer directly in the form of cash, they asked to change it into online payment using credit/debit card. By that process the worker receives the amount into his/her bank account. But we rejected that as we thought that all the workers don't have bank accounts and only online payments might cause a problem to them and felt that cash collection from customer directly is far better.
2. They also suggested to add another service, packers and movers. These are the ones who pack all the items in a house while vacating and transports those to the customers new house and we agreed to add that service.

g. A brief reflection on what has been accomplished, what went well and could be improved.

ANS: So far, we have implemented the front end of the project. Initially, in the Home Page, there will be two options i.e. admin and users. The admin has to click over the admin one and the user has to click over the user one. After clicking it navigates to register and login page. While registering the admin and user has to enter the username and password and there also there will be an option to re-enter password in order to check whether the customer has entered the password correctly or not. There will also be an option to enter email and after entering email, they have to sign up. After sign up, it navigates to the services page. In that page all the offered services will get displayed. The

backend has to get completed i.e. after the customer selecting the service, he has to schedule an appointment requesting the service and must provide feedback after work completion. We are working on adding an additional service “Movers and Packers” so that service would benefit both the users and admins as all the services will be available to the users at one place and Admin will get benefit as their business increases. After total project completion, a weblink will be shared and using that link, the end-user can use our application.

h. Member contribution table (should describe who wrote what components or classes of the system and what parts of the report). Add more rows as needed.

Member name	Contribution description	Overall Contribution (%)	Note (if applicable)
Telukuntla Pavithra	Project Report and Code Implementation	12.5%	Core Functionalities and UML diagrams
Srujana Pamidimukkala	Project Report and Code Implementation	12.5%	Requirements Specification
Anusha Todupunoori	Project Report and Code Implementation	12.5%	Core Functionalities
Akhila Katkuri	Project Report and Code Implementation	12.5%	Requirements Specification
Vivek Vardhan Gutta	Project Report and Code Implementation	12.5%	UML Diagrams
Anwar Hussain Sheik	Project Report and Code Implementation	12.5%	Test Cases
RajaShekar Reddy Chirumani	Project Report and Code Implementation	12.5%	UML Diagrams and Test Cases
Harshit Reddy Nagireddy	Project Report and Code Implementation	12.5%	UML Diagrams and Test Cases