Assignment # 3

This assignment # 3 pertains to the requirement analysis and usability phases of your project.

For the project that you have selected in earlier phase, you are required to do

**Phase3: Requirement Analysis**

1. Define all the functional and non-functional requirements of your project.

**What is a non-functional requirement?**

Functional requirements define the basic system behaviour. Essentially, they are what the system does or must not do, and can be thought of in terms of how the system responds to inputs. Functional requirements usually define if/then behaviours and include calculations, data input, and business processes.



Functional requirements are features that allow the system to function as it was intended. Put another way, if the functional requirements are not met, the system will not work. Functional requirements are product features and focus on user requirements.

Our project is totally based on functions we are working on events. Those events which are very difficult for many of the peoples to book there event place we provide the function to book there event place in less rates.

We provide car facility function those people who do not have car facilities we will provide car facility by ourselves and by the help of third part this is also the function of our website. All we have to do help peoples and make peoples independent.

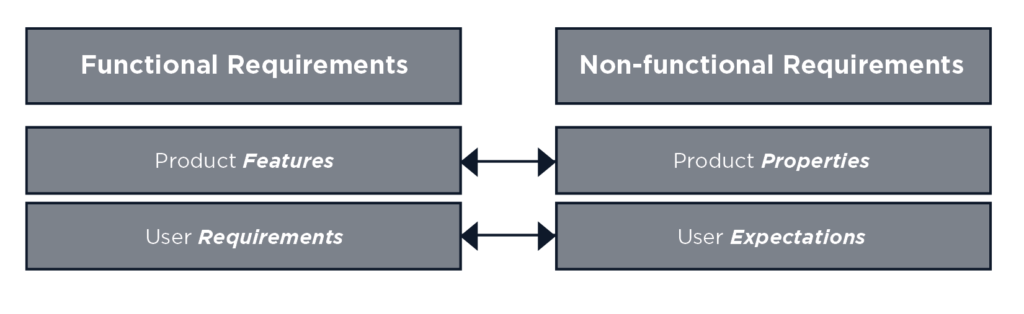
We provide decoraters for more enhancing the events and more better experience this is also the function of our website.

**What is a non-functional requirement?**

While functional requirements define what the system does or must not do, non-functional requirements specify how the system should do it. Non-functional requirements do not affect the basic functionality of the system (hence the name, non-functional requirements). Even if the non-functional requirements are not met, the system will still perform its basic purpose.

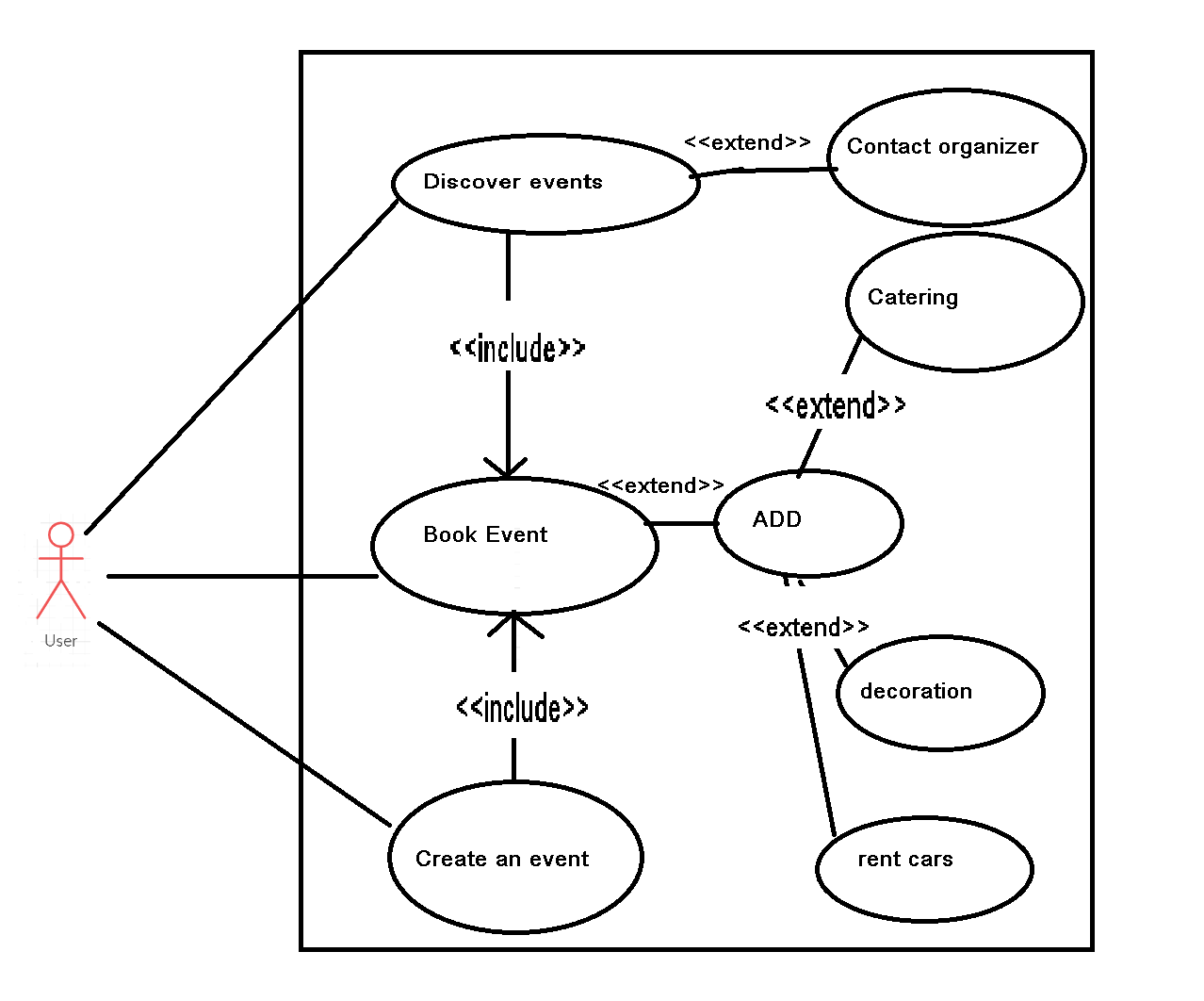
If a system will still perform without meeting the non-functional requirements, why are they important? The answer is usability. Non-functional requirements define system behavior, features, and general characteristics that affect the user experience. How well non-functional requirements are defined and executed determines how easy the system is to use, and is used to judge system performance. Non-functional requirements are product properties and focus on user expectations.

There are more examples below, but for now, think about a functional requirement that the system loads a webpage after someone clicks on a button. There should be a related non-functional requirement specifying how fast the webpage must load. Without it, the user experience and perception of quality are at risk if they are forced to wait too long, even though the functional requirement is fully met.



1. Develop complete use case diagram and define use cases with narratives.

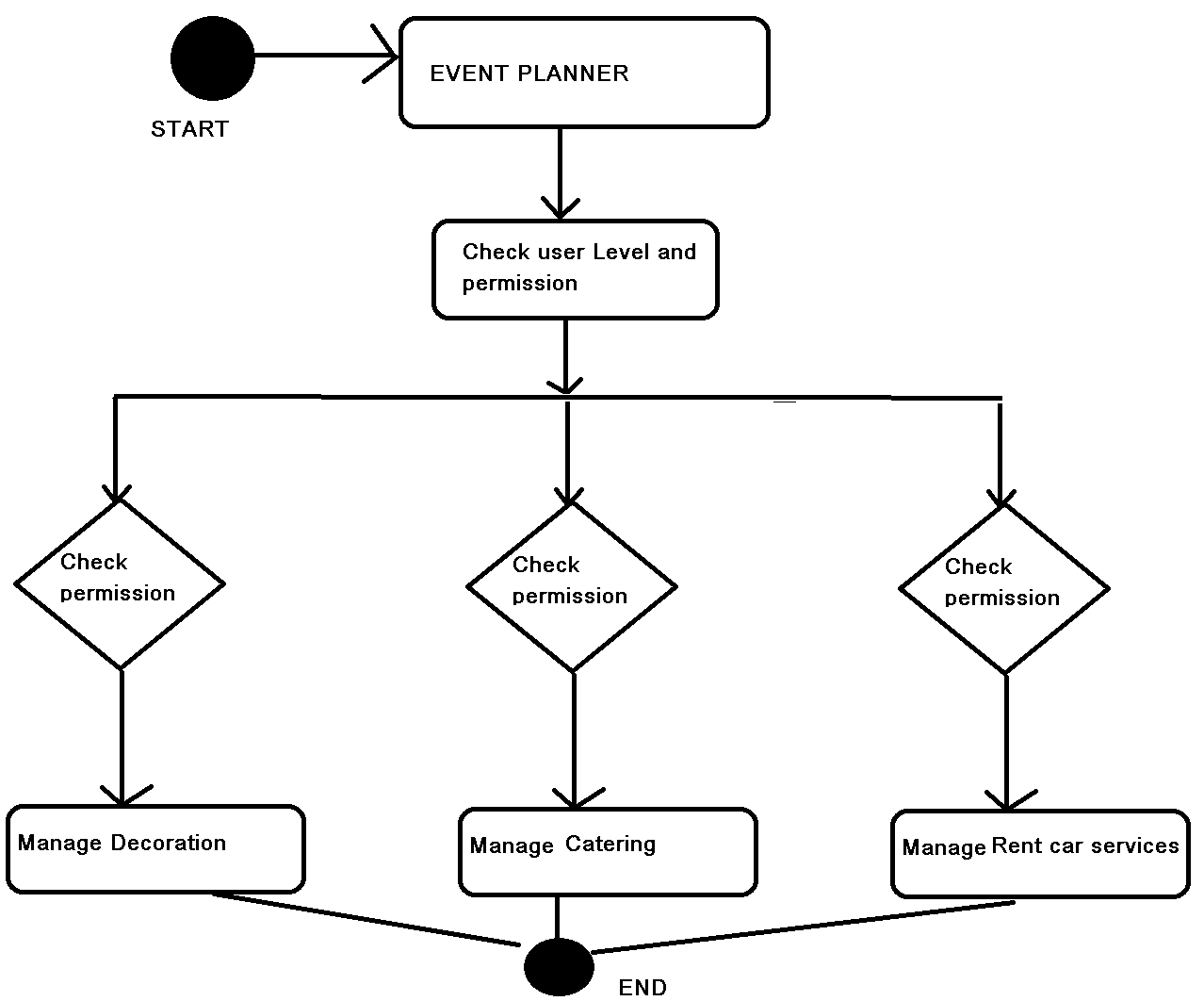
Use cases narratives are the number and name that identify the use case how system request to each actor request. If we understand use case in a simple language it’s basically a description of how a person who actually uses that process or system will accomplish a goal. It's typically associated with software systems, but can be used in reference to any process. For example, imagine you're a cook who has a goal of preparing a grilled cheese sandwich.

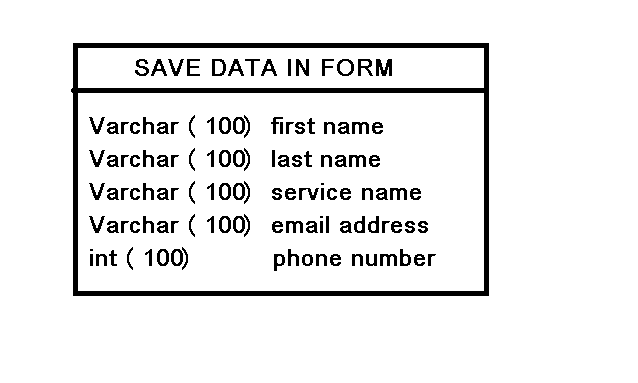




1. Finally, you need to develop an ERD/data flow or sequence diagram, whichever suits your project.

PS: All database projects should opt for and develop ERD diagram.





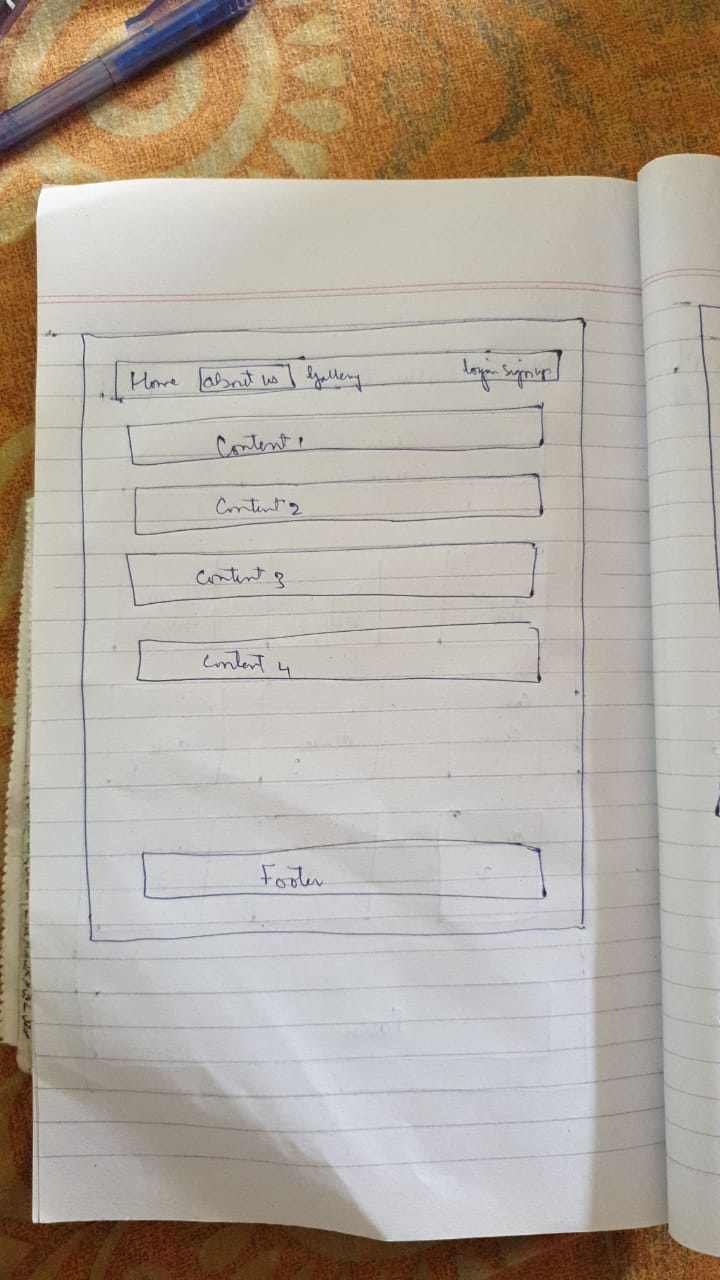
**Phase 4: Usability**

1. Design the user interface using paper prototype and wireframes for your project. Follow all the rules that are discussed in the lecture.

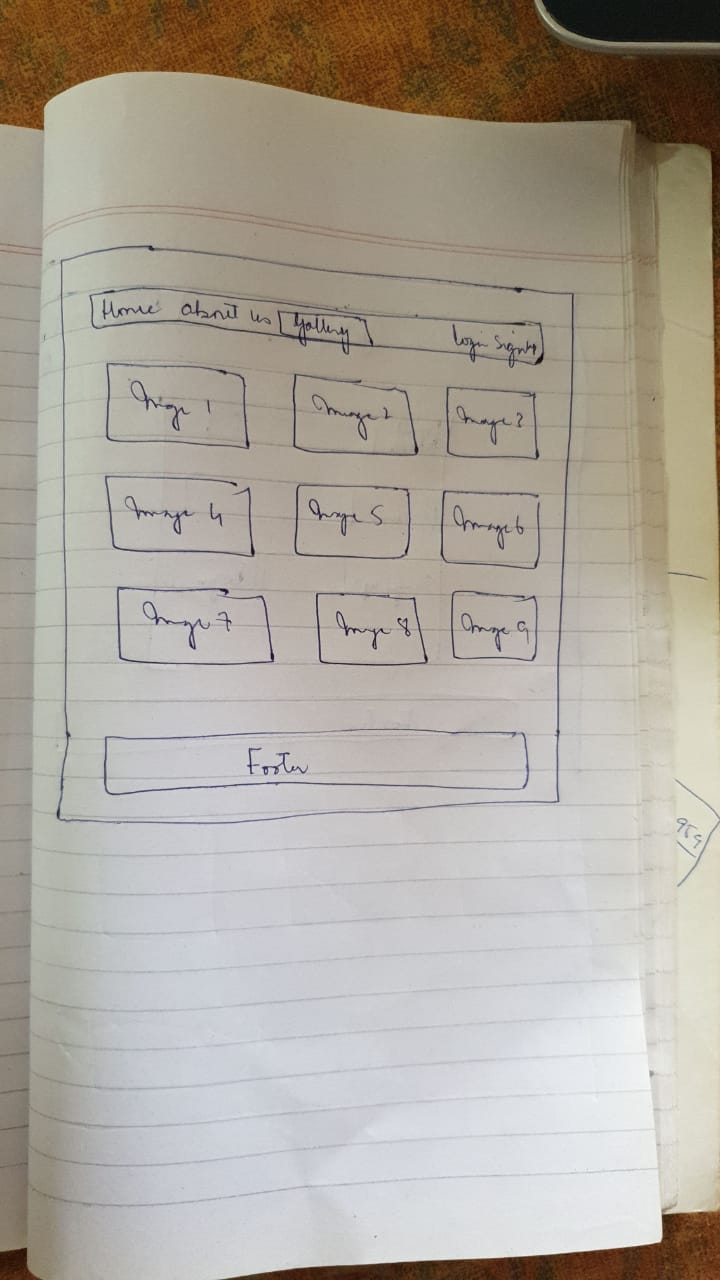
**This is our HOME page.**

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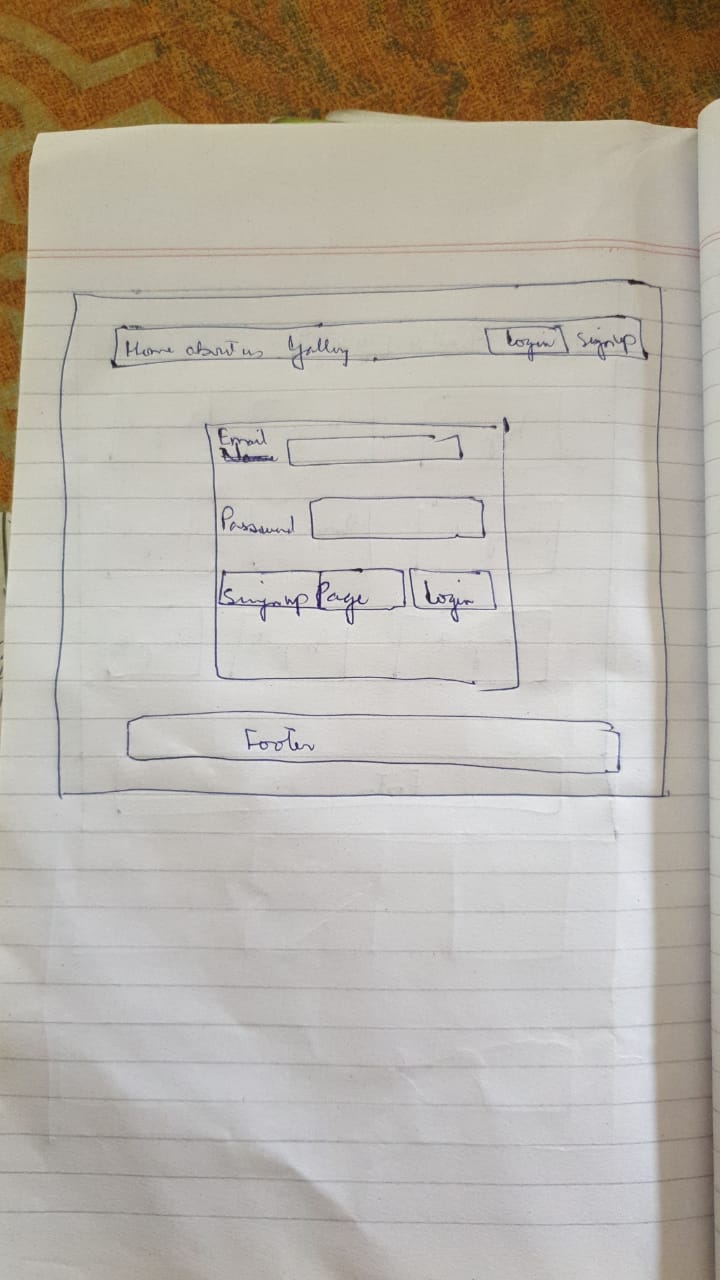
**This is our ABOUTUS page.**

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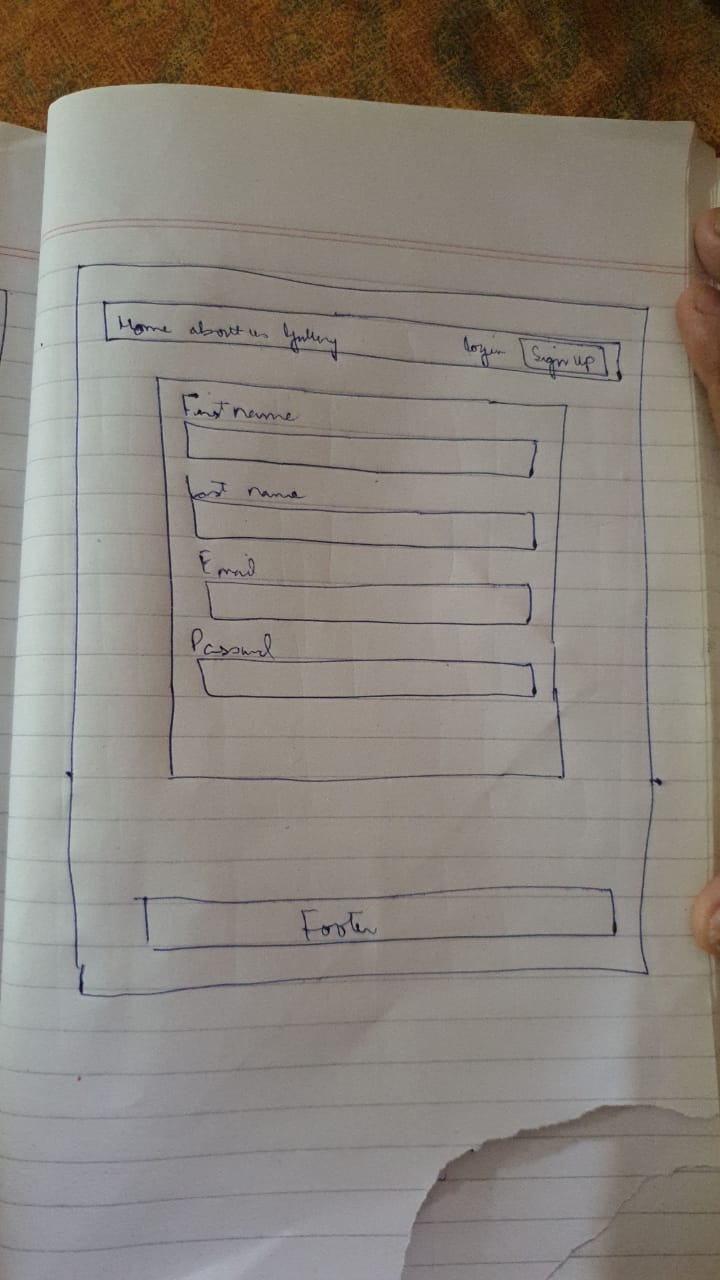
**This is our GALLERY page.**

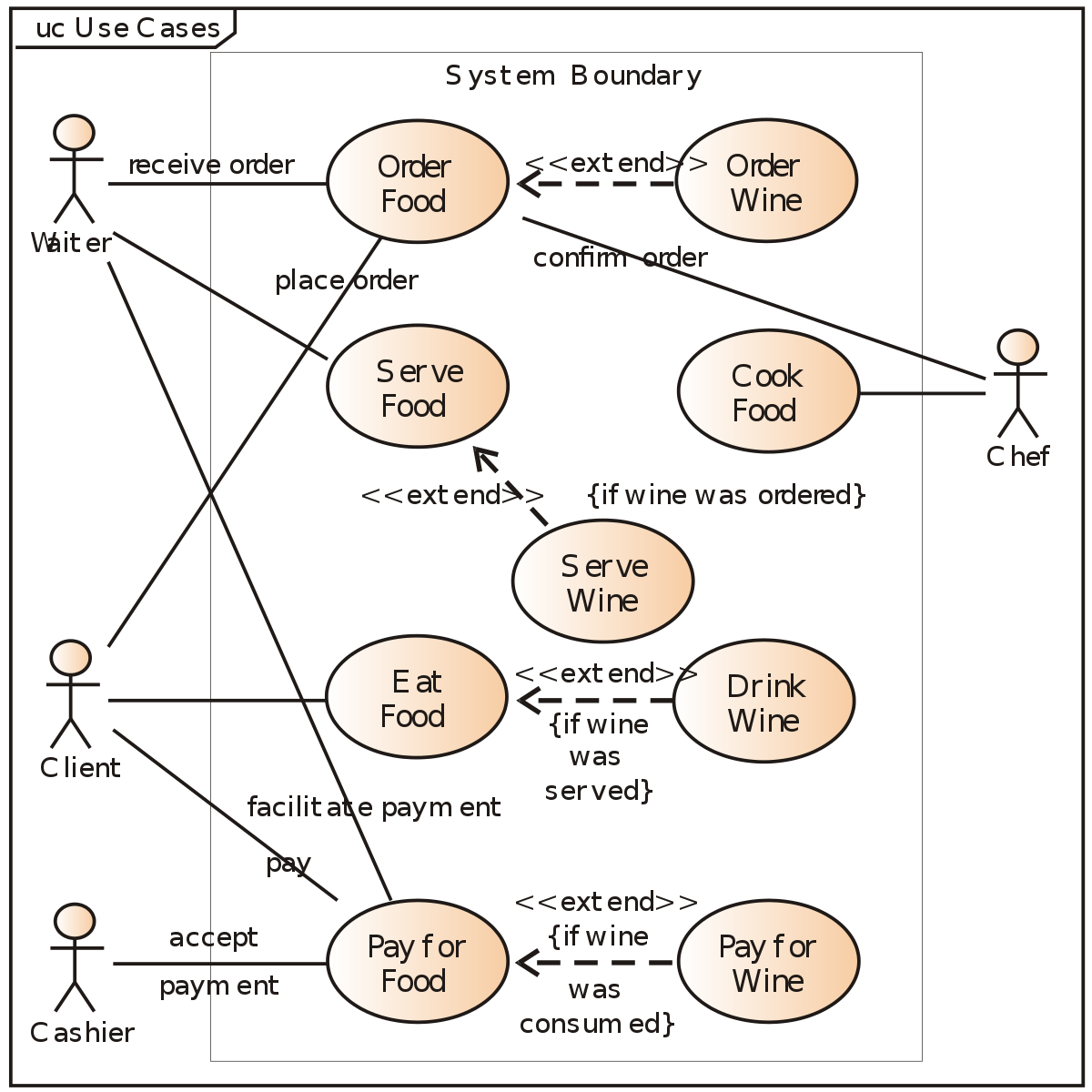
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**This is our LOGIN page.**

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**This is our SINGUP page.**

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**Main use case diagram**

**Sub use cases with narratives**

* 1. **User Login to Help Desk**



|  |  |  |
| --- | --- | --- |
| **Use Case Name:** | Login to Help Desk System | |
| **ID:** | UC-LHD-01 | |
| **Actors Involved:** | Customer, Support, Administrator | |
| **Brief Description** | Actor enters the email address and password to login to the system. | |
| **Pre-Conditions** |  | |
| **Post-Conditions** |  | |
| **Normal Flow of Events:** | **Actor Action** | **System Response** |
| 1. Enter email address and password. 2. Clicks the submit button. | 1. System displays the actor mail page on successful login. 2. System displays error message on invalid login. |