

# **CS1113: Software Engineering**

## **“PlaceDoor”**

### **Placement Management System**

## **Module Structure and Flow Charts**

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## **1. Problem Statement:**

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In universities there aren't any platform for placement related activities. This creates frustration among students as they do not get updates about job posting and requirements they often check on other platforms such as outlook and WhatsApp, They can't even send specific resume to a specific company they send same resume for all companies.

To solve this, we are creating "PlaceDoor" a platform for placement related activities where companies will post job and will be accessible to all students and they can apply on these jobs on the same platform. and Admin keeps track of all things here.



## 2. Module:

The process of breaking down a software into multiple independent modules where each module is developed separately is called **Modularization**. Effective modular design can be achieved if the partitioned modules are separately solvable, modifiable as well as compilable.

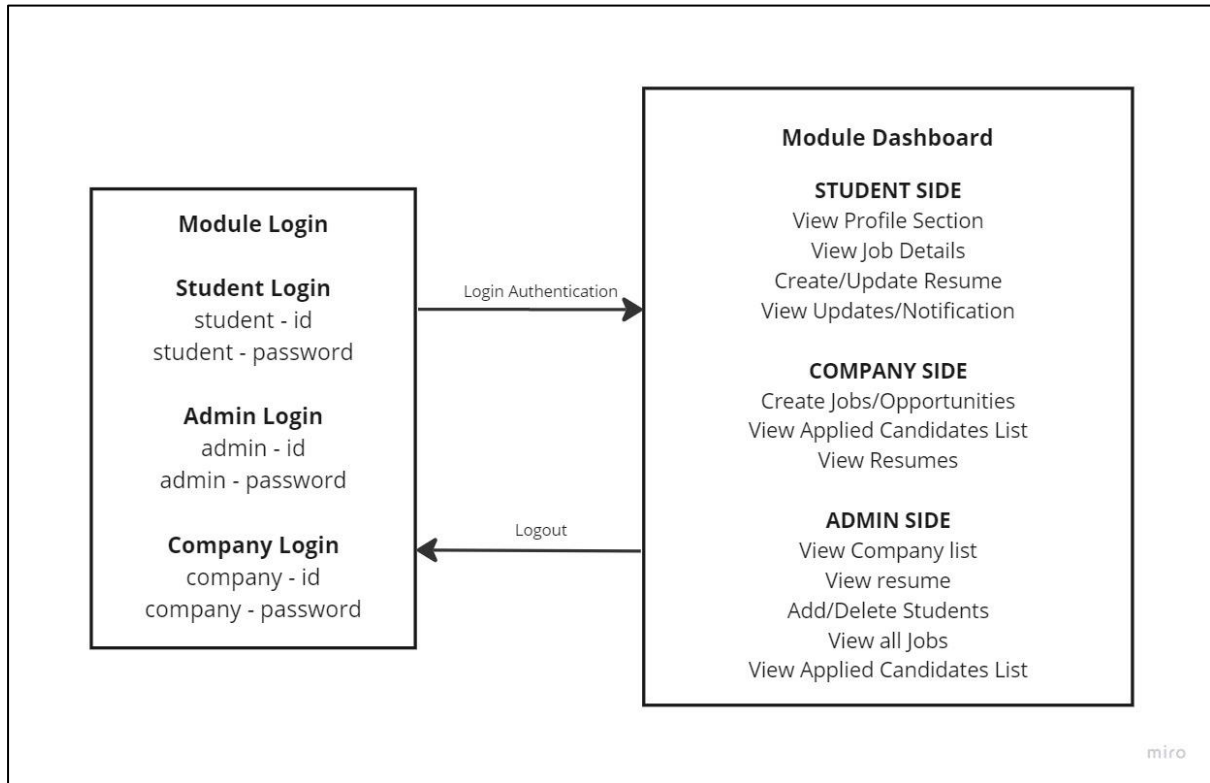


Figure 1 Module

### Miro Board Link:

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### 3. Structure:

A structure chart (SC) in software engineering and organizational theory is a chart which shows the breakdown of a system to its lowest manageable levels. They are used in structured programming to arrange program modules into a tree. Each module is represented by a box, which contains the module's name. The tree structure visualizes the relationships between modules.

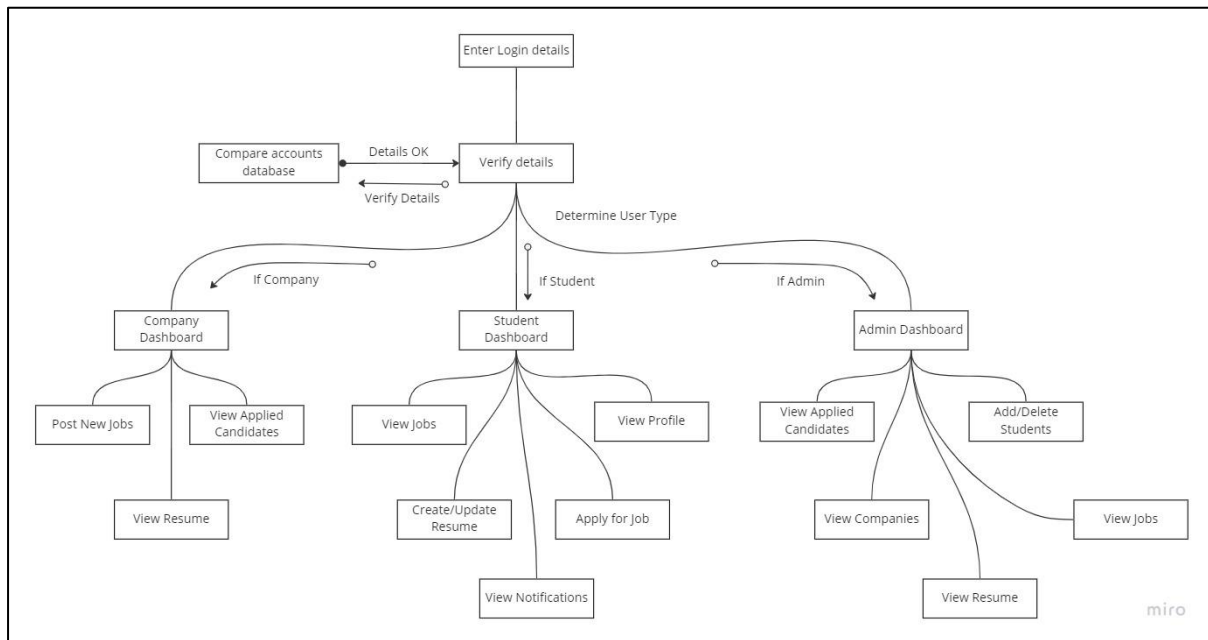


Figure 2 Structure

#### Miro Board Link:

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## 4. Flow Chart:

A flowchart is a type of diagram that represents a workflow or process. A flowchart can also be defined as a diagrammatic representation of an algorithm, a step-by-step approach to solving a task. The flowchart shows the steps as boxes of various kinds, and their order by connecting the boxes with arrows. This diagrammatic representation illustrates a solution model to a given problem. Flowcharts are used in analysing, designing, documenting or managing a process or program in various fields.

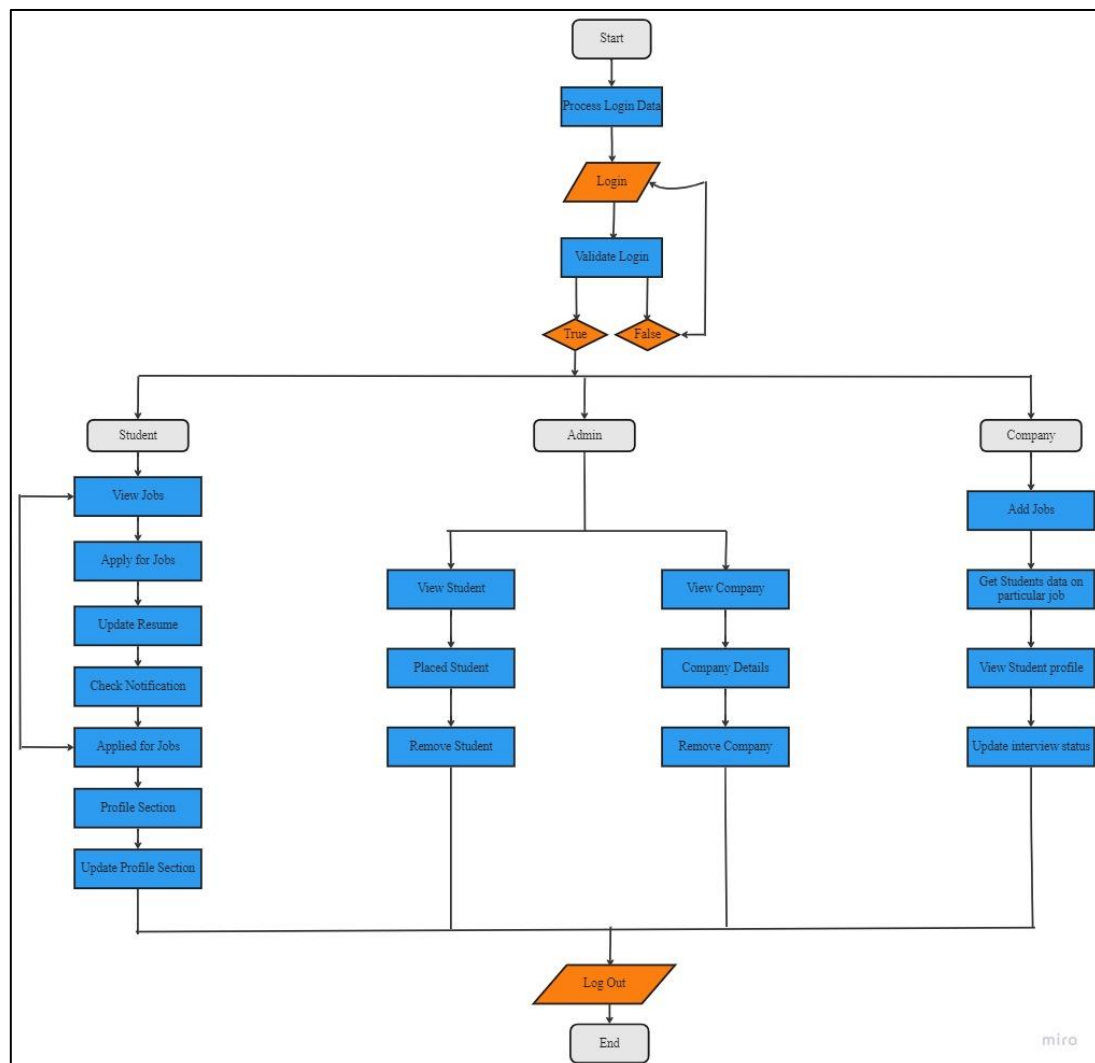


Figure 3 Flowchart

### Miro Board Link:

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