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## INTRODUCTION

In this project **SWIFTCV** , we are going to develop an automated CV generation application that creates professional and visually appealing resumes within minutes. The application takes user information and generates CV according to the user's preferred formats and makes it shareable.

## MOTIVATION

CV is a very crucial element in the process of seeking a job. Job seekers need a CV to showcase their qualifications in a presentable way. To make this job easier an online CV generator can be of great help. The motivations behind our website are:

- It's quite a tough job to make a CV using Microsoft Words, Latex or other text editing tool.
- Creating a CV with best formatting style is very time consuming.

## PURPOSE

This documentation briefly describes the Software Requirement Specification of a **SWIFT\_CV**. It contains the functional, non-functional and the supporting requirements and establishes a requirement's baseline for the development of the system. The goal of this SRS is to serve as an official means of communicating user requirements to the developers and stakeholders' community. The SRS will evolve over time as users and developers work together to validate, clarify and expand its contents.

## INTENDED AUDIENCE

This SRS report is intended for several audiences. We developed this SRS that gives a clear guideline and documentation to -

- The users and admin will use this SRS to verify that the developer team has created a product that is acceptable to the customer.
- The designers will use this SRS as a basis for creating the system's design. The designers will continually refer back to this SRS to ensure that the system they are designing will fulfill the customer's needs.
- The developers will use this SRS as a basis for developing the system's functionality.
- The developers will link the requirements defined in this SRS to the software they create to ensure that they have created a software that will fulfill all of the customer's documented requirements.
- The testers will use this SRS to derive test plans and test cases for each documented requirement. When portions of the software are complete, the testers will run their tests on that software to ensure that the software fulfills the requirements documented in this SRS.
- The testers will again run their tests on the entire system when it is complete and ensure that all requirements documented in this SRS have been fulfilled

## FUNCTIONAL REQUIREMENTS

- Authentication
- User can manage their profile
- User can Create CV, Edit CV, Update CV, Preview CV and Export their CV as shareable formats
- User can choose templates and make custom templates for their CV
- User is suggested most relevant skills and achievements based on user's profile and purpose

## NON-FUNCTIONAL REQUIREMENTS

- **Usability**  
Usability is the main non-functional requirement for an automated CV generator . The UI should be simple enough for everyone to understand and get the relevant information without any special training.
- **Security**  
The system should store user details and CVs securely
- **Maintainability:**  
User should be able to update and modify CV easily
- **Availability**  
The templates should be available to the user.
- **Performance**  
The system should respond to the requests within two seconds or less.
- **Accuracy**  
The skills and achievements suggested should be correct, consistent, and reliable.

## **INCEPTION OF THE PROJECT**

The project begins with the inception (a task that defines the scope and nature of the problem to be solved). In order to make this phase effective we took the following steps:

- Identifying the clients of the system
- Identifying the stakeholders of the system
- The nature of the system that is desired

### **IDENTIFYING THE CLIENTS OF THE SYSTEM:**

Users who are looking for jobs are the end clients of our system

### **IDENTIFYING THE STAKEHOLDER OF THE SYSTEM:**

Stakeholder refers to any person or group who will be affected directly or indirectly by the system. Stakeholders include end-users who interact with the system. The stakeholders of our system are

- User
- Admin

### **THE NATURE OF THE SYSTEM THAT IS DESIRED**

- Responsive and user-friendly interface
- Automated CV making
- Exporting as shareable formats
- Storing CV securely

## **ELICITATION OF THE PROJECT**

Requirements elicitation (also called requirements gathering) combines elements of problem solving, elaboration, negotiation, and specification. In order to encourage a collaborative, team-oriented approach to requirements gathering, stakeholders work together to identify the problem, propose elements of the solution, negotiate different approaches, and specify a preliminary set of solution requirements. In our elicitation phase, we completed the following tasks –

- Quality Function Deployment
- Usage scenario

### **Quality Function Deployment:**

- **Normal Requirements**

1. Authentication
2. Profile Management
3. Create , Edit, Update CV
4. Preview CV
5. Export CV
6. Create and Choose Templates

- **Expected Requirements**

1. The system will be secured and protected
2. Interactive and user-friendly interface so that anyone can create their CV without any difficulty.
3. Every Update should be saved securely
4. The system should suggest the most relevant and skills and achievements based on profile and purpose

## USAGE SCENARIO

- **Authentication:**

**User:**

User will sign up providing his email and password. User has to re-enter the password to confirm his password. Then an OTP will be sent to user's email address. User will enter the OTP to confirm his registration. Then user can login to the system using his email and password. If user forgets his password, he can reset the password providing his email address

**Admin:**

Admin doesn't need to sign up to the system. He will only login to the system using the pre-defined email address and password

- **Profile Management**

**User:**

User can update their profile information, add new achievements, experience, skills, education qualifications (Which will be sorted based on date and time)

- **CV Management**

**User:**

- Can create Cv using templates
- The user can create Cv selecting information from profile
- Can add new informations
- Delete/edit older information
- The user can Add or delete Sections in CV
- Can Preview the CV
- Can edit CV
- Can save the CV
- Can export the cv in different formats

- **Create/Choose Templates**

**User:**

- Can use existing templates
- Can search for templates based on requirements
- Can make new templates

- Can Save the created template
- Can make the created template public or private

- **Suggestion of Relevant Skills**

**User:**

When adding new skills in profile or Cv our application will be able to suggest relevant skills analyzing the user's profile

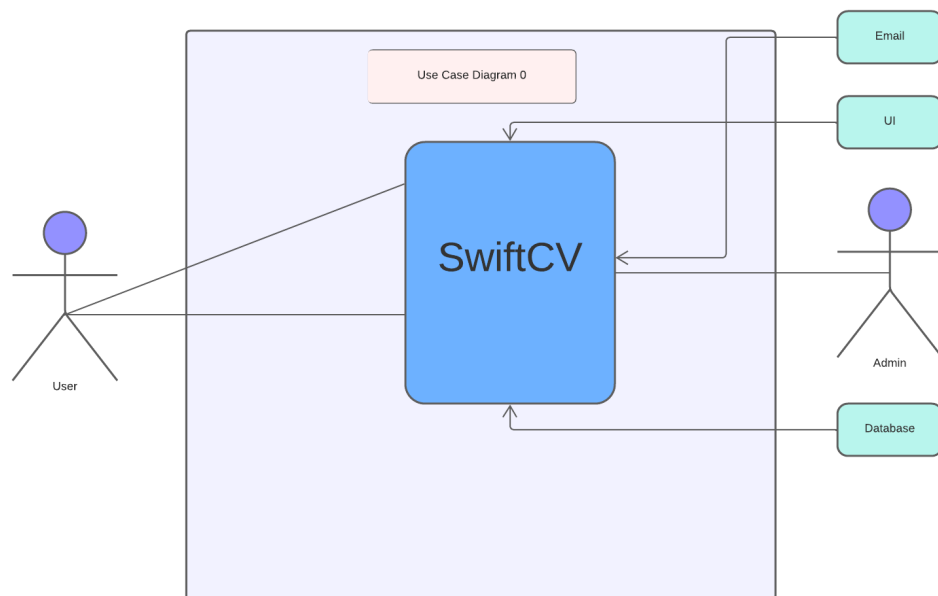


# REQUIREMENT MODELING

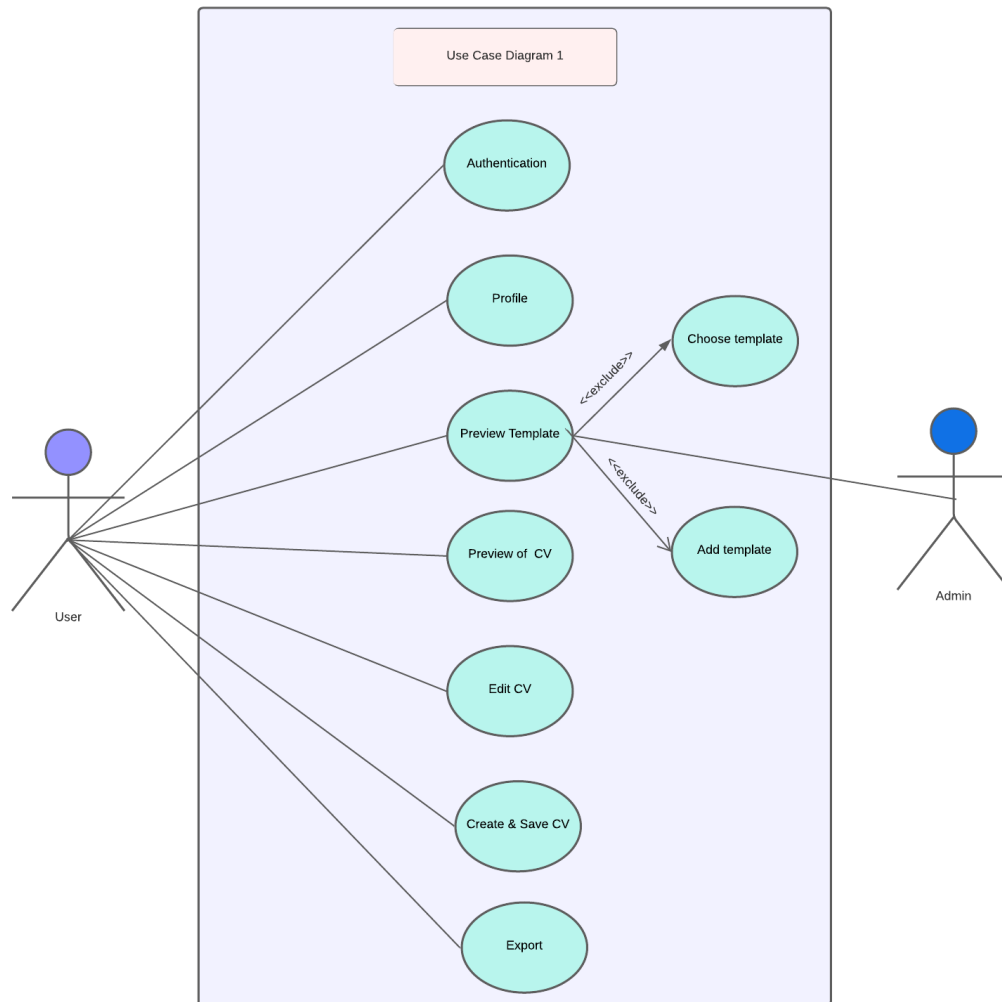
## SCENARIO BASED MODELING

- USE CASE DIAGRAM

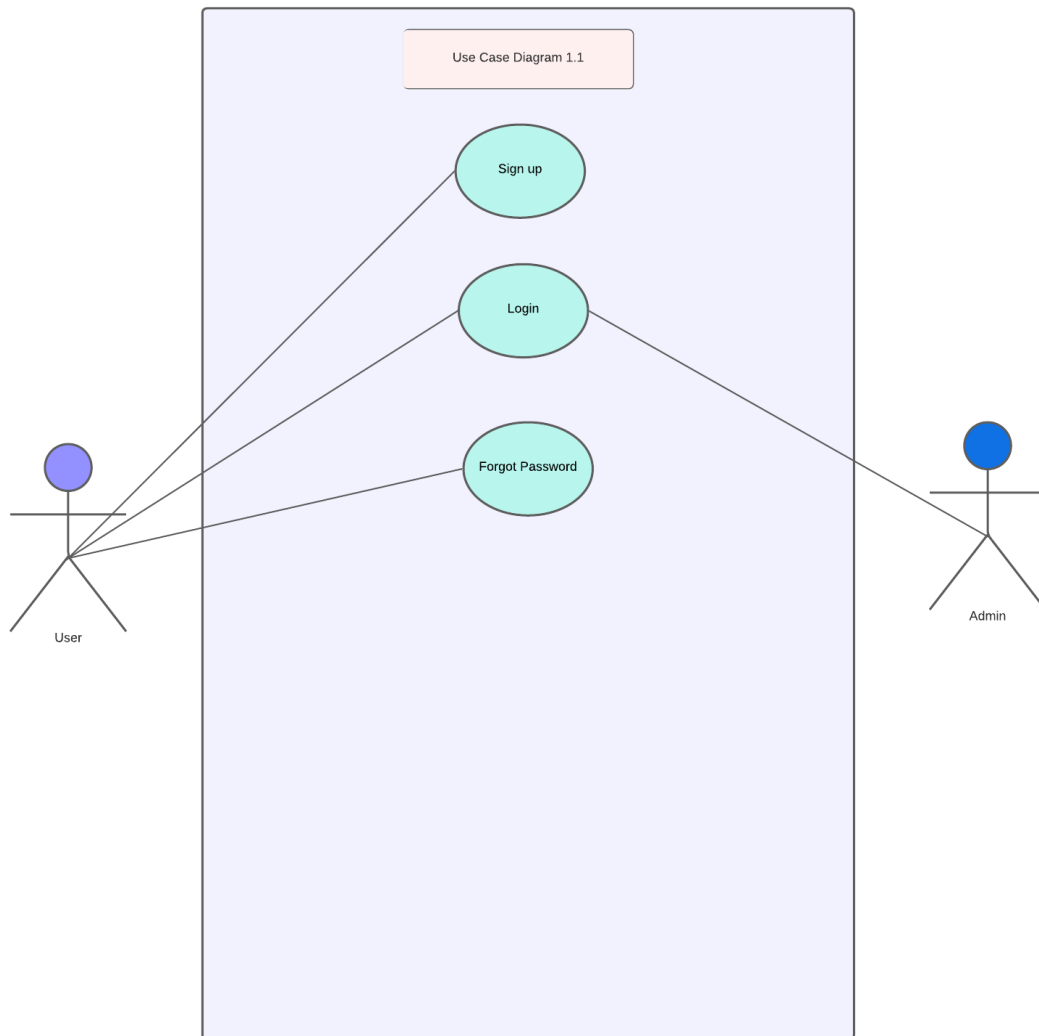
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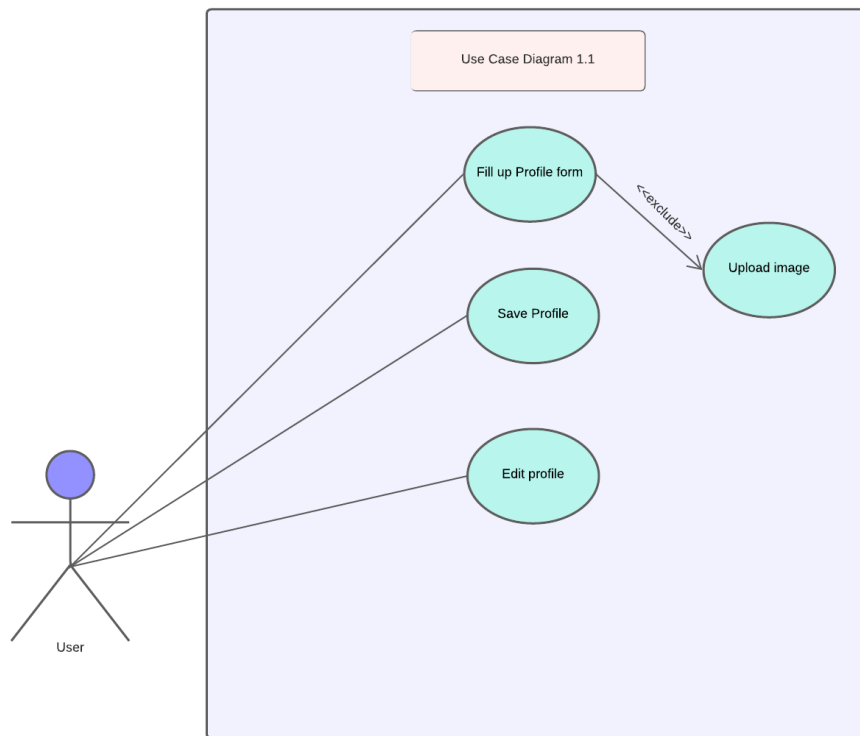
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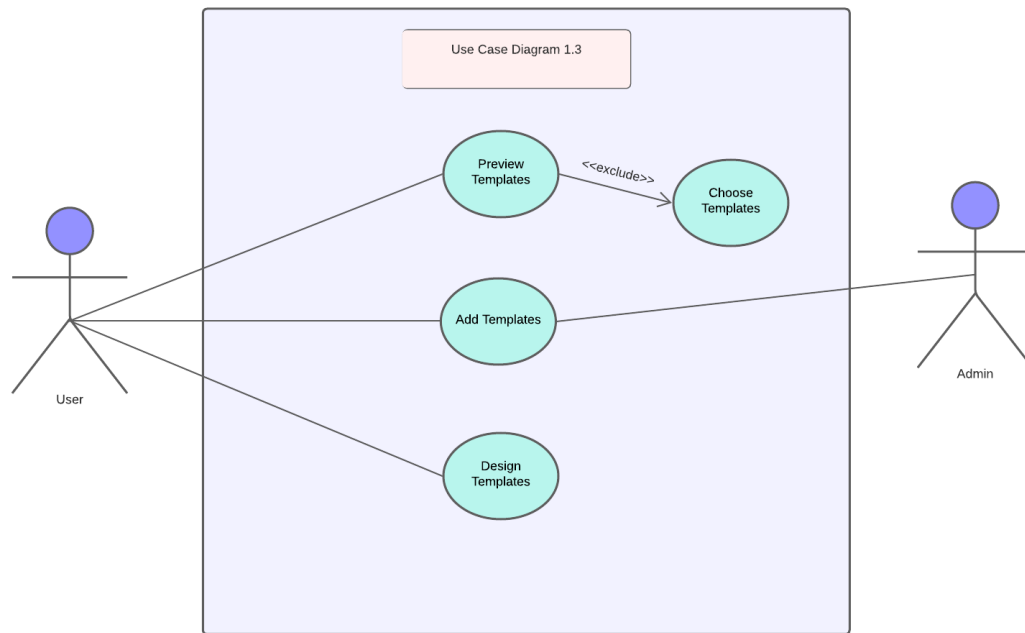
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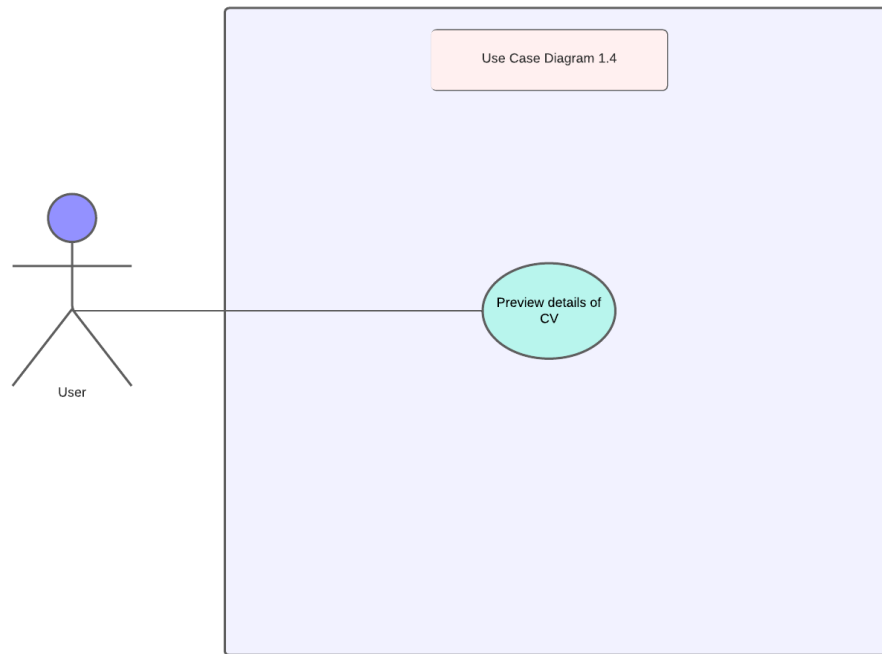
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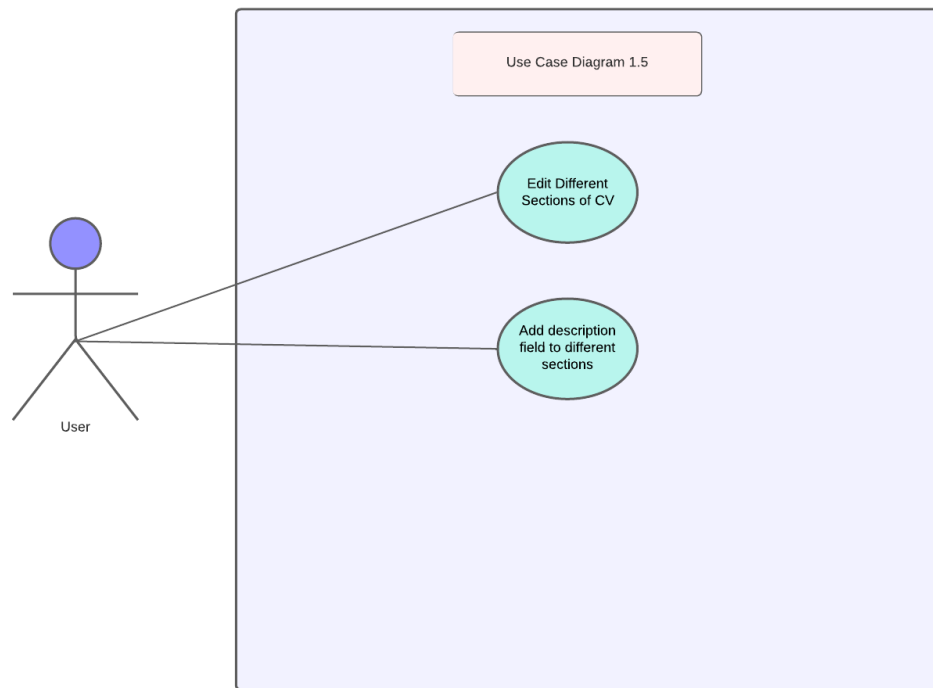
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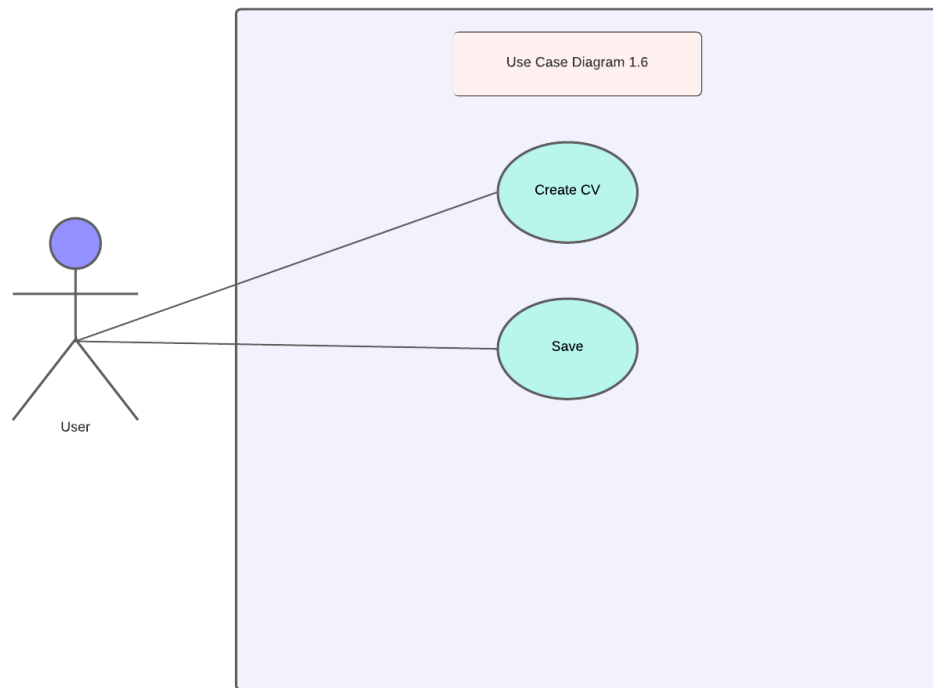
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## LEVEL 1.5:

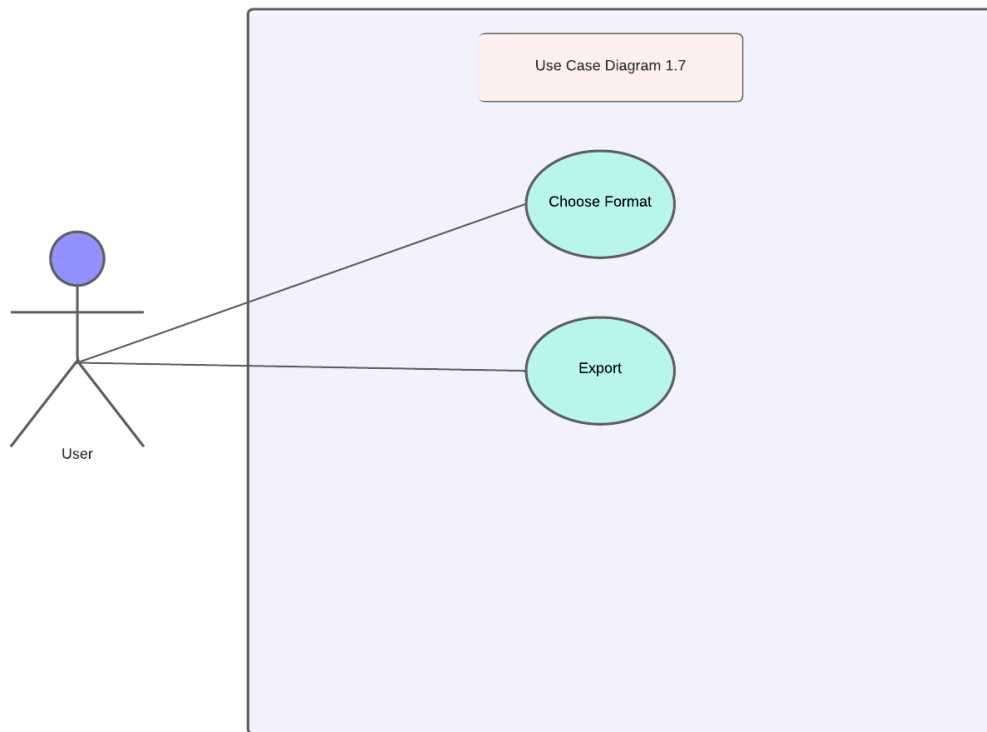


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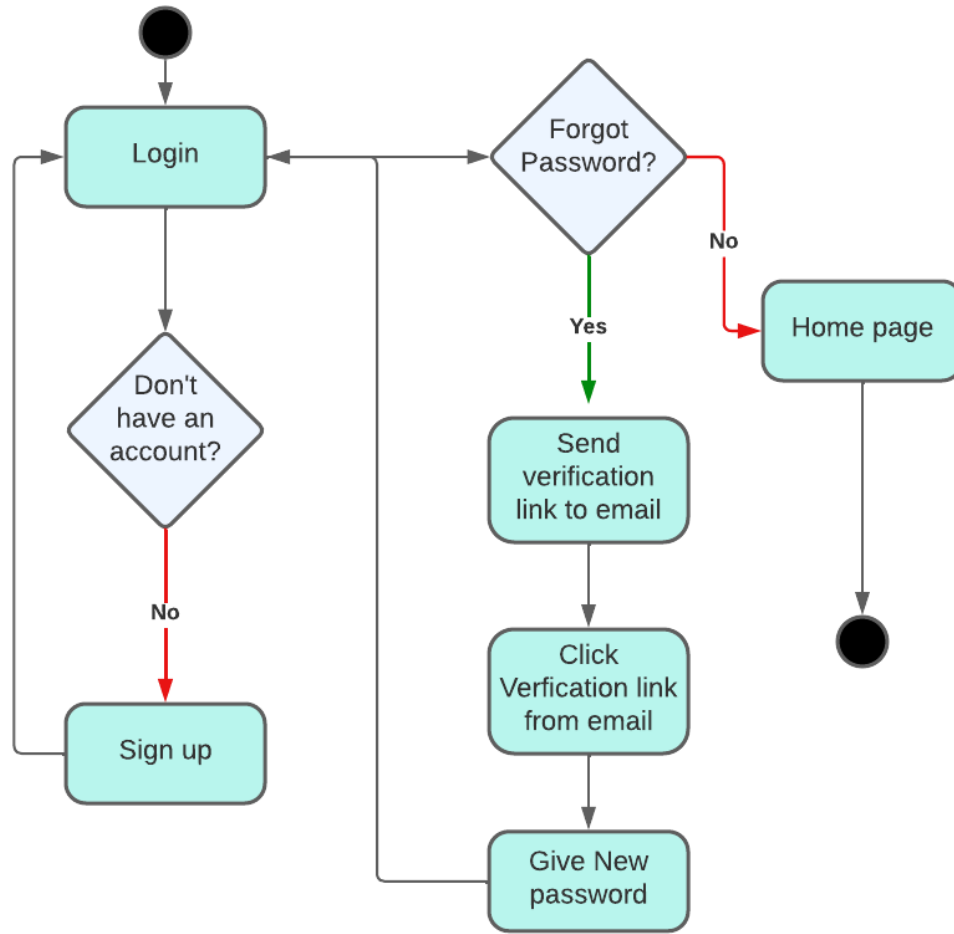


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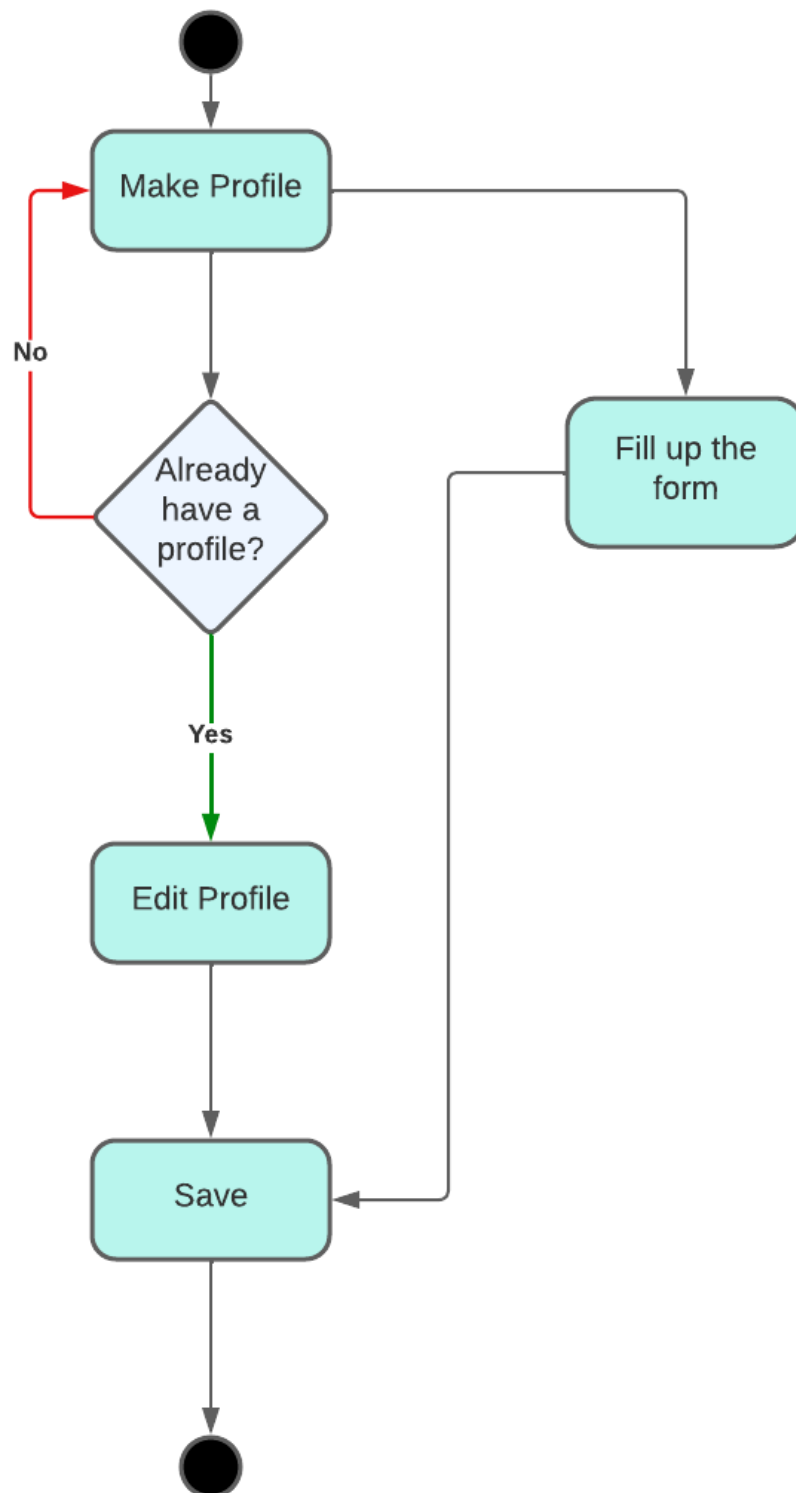


- **ACTIVITY DIAGRAM**

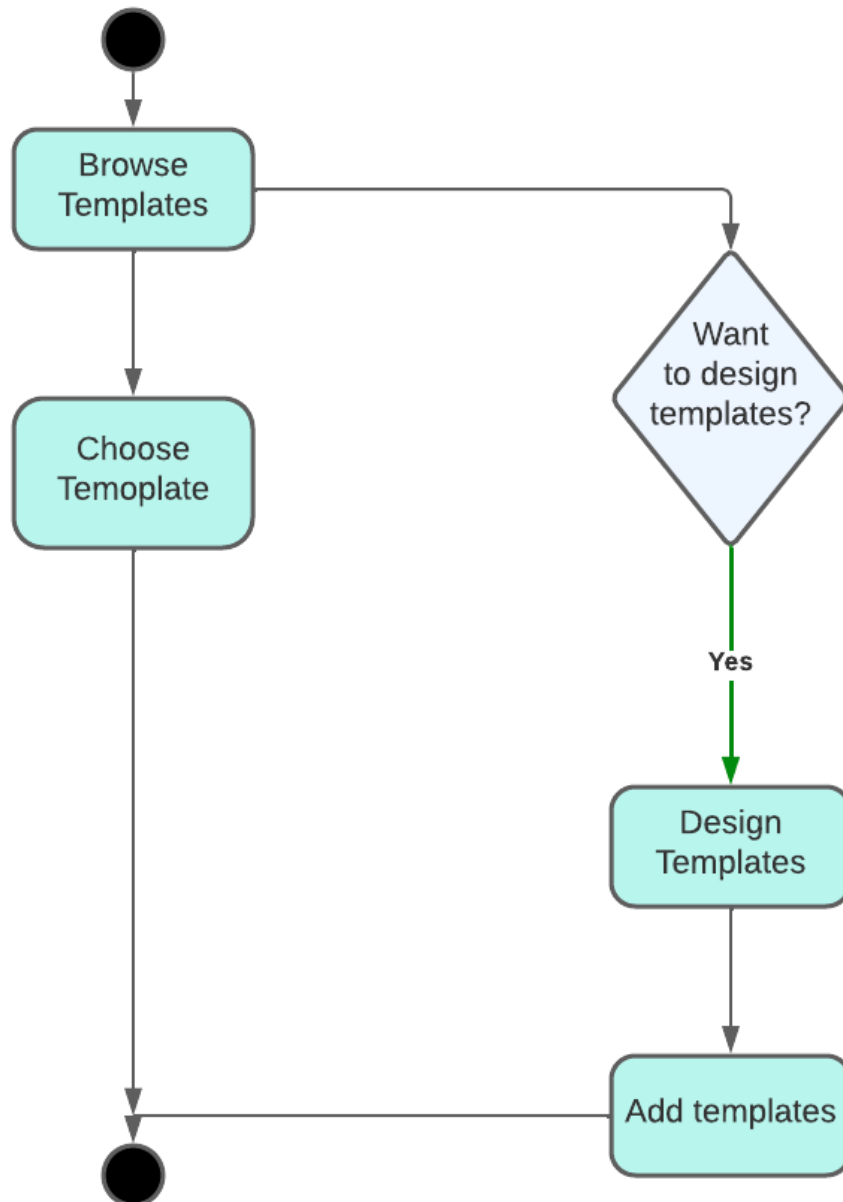
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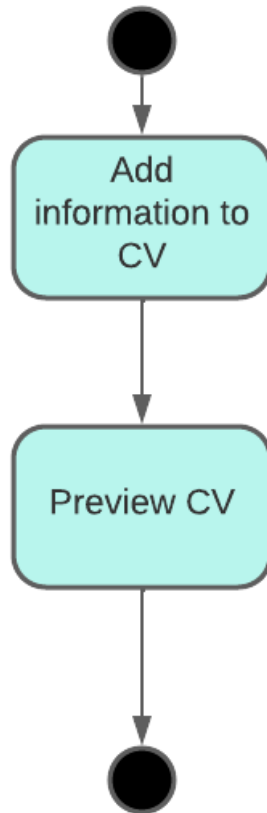
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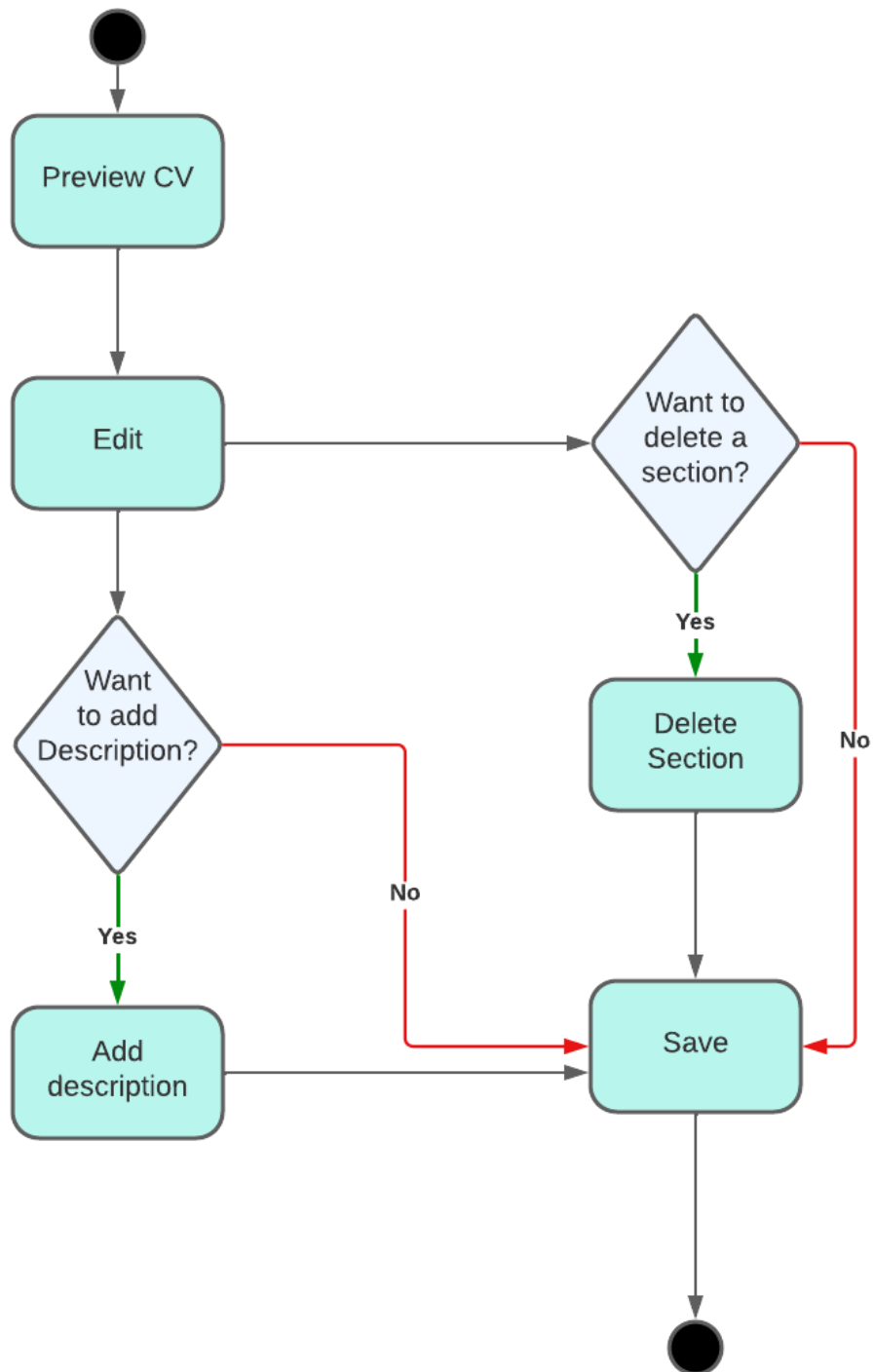
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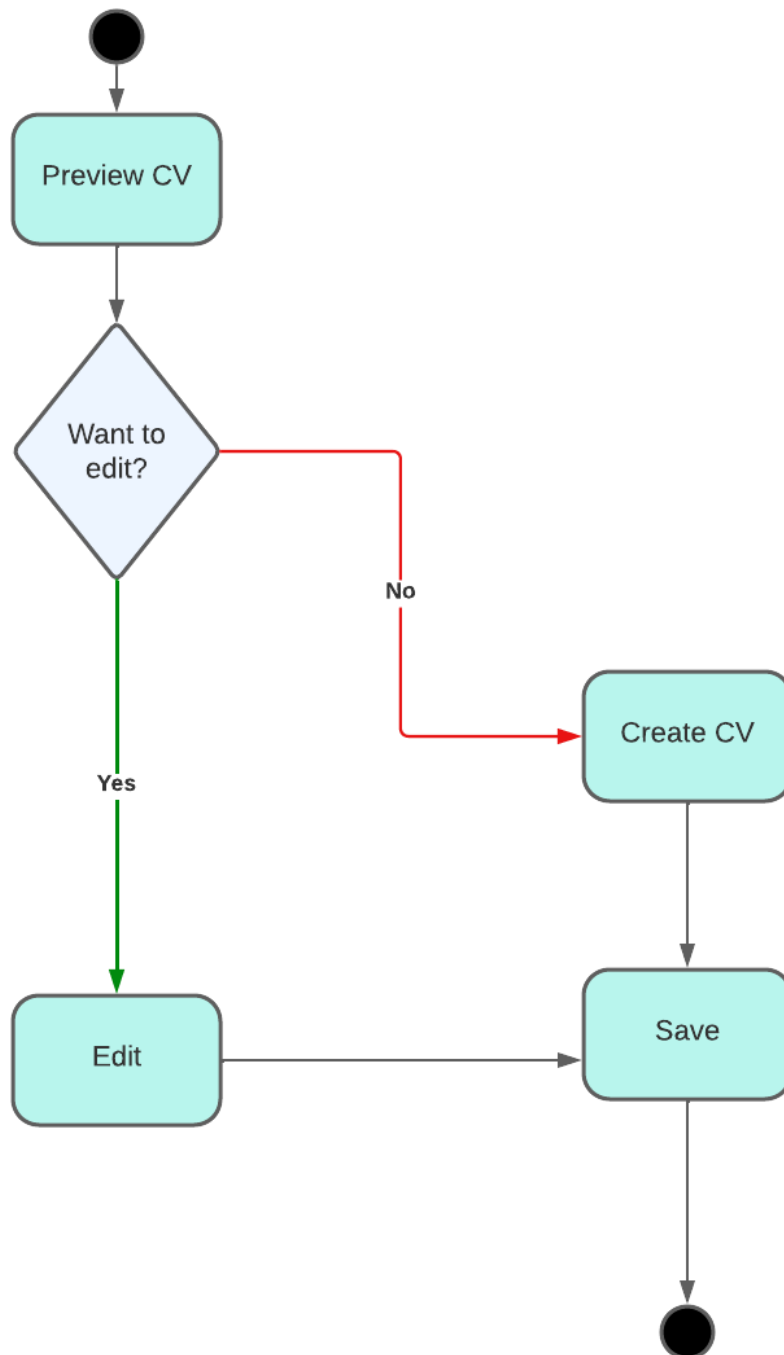
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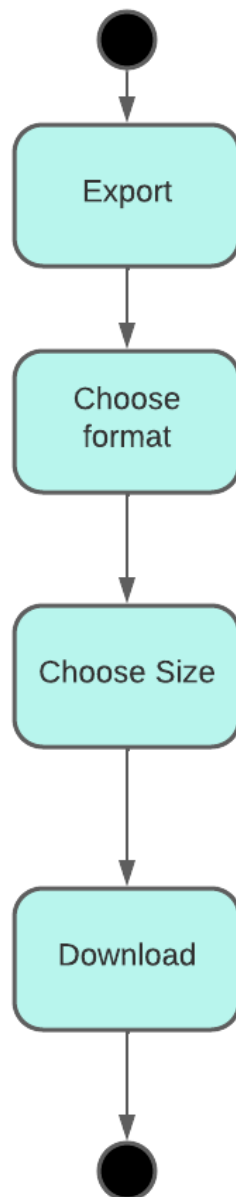
## LEVEL 1.5:



## LEVEL 1.6:



## LEVEL 1.7:





# DATA BASED MODELING

- ER DIAGRAM

