Problem Statement:

- CV automation and resume parser CVMaker gives you the next level of resume management.
- It consists of CV templates which users can use to generate his/her CV.
- The tool also includes a parser that automatically parses the resume uploaded in some specified format, stores the parse information and helps to generate CV.

Group: 24
Project: CV Maker

Software Requirements Specification

- **Functional Requirements**
  - The user can parse resume formats when uploaded in the form of pdf.
  - Several templates(3-4) for making resumes.
  - Preview option when editing the resume.
  - Functionality to save resumes in the cloud.
  - Step by step guide which will help you in each important section
  - Option to import previously made resume.
  - Users can also provide links in their resume.
  - Web applications will be able to export the document in pdf format.
  - A user should be able to register an account and login into it, to store his/her information.
  - A user can delete his/her account anytime.
  - A user can change the password for his/her account.

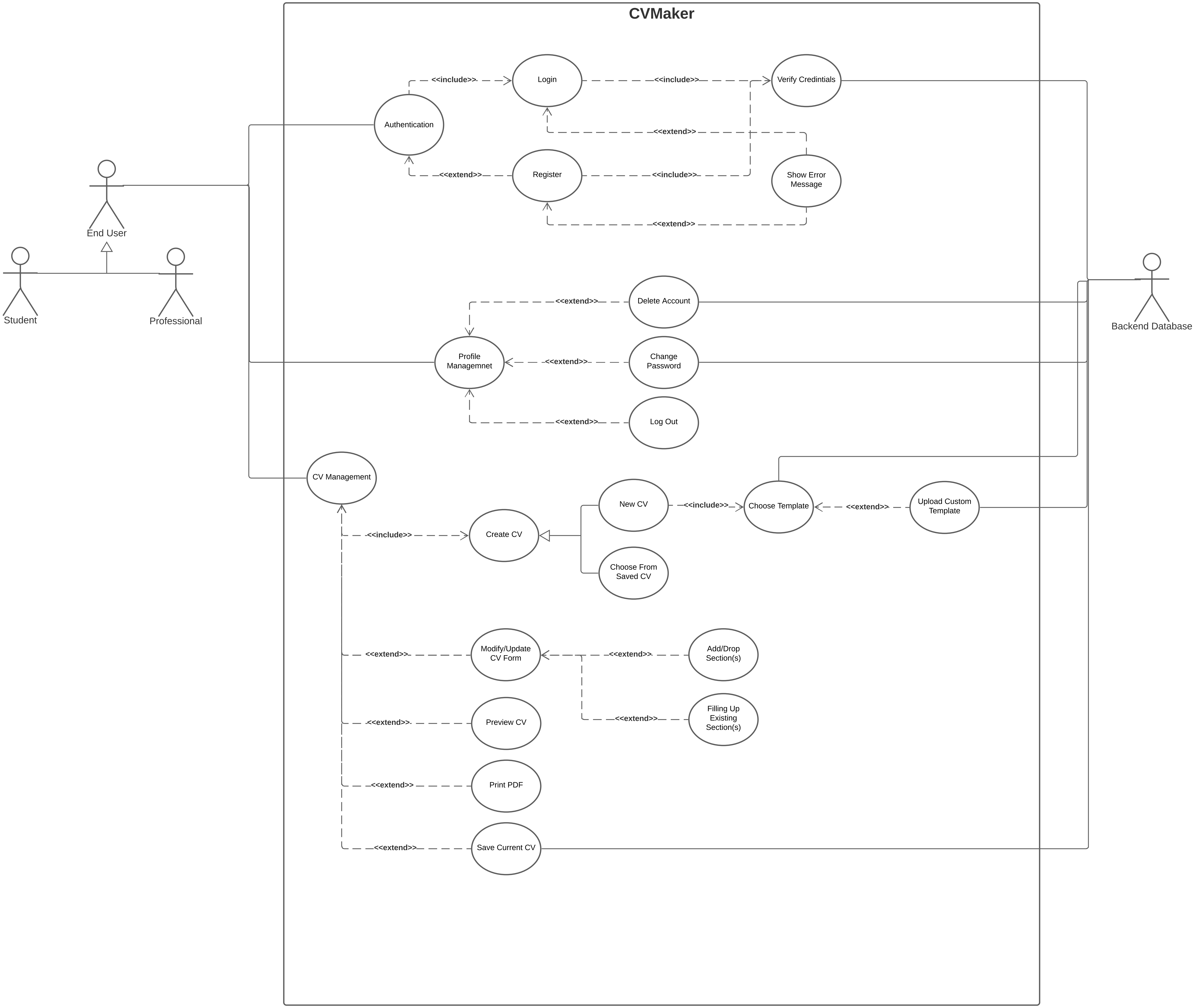
- **Non-functional Requirements**
  - Security: Privacy of the user information.
  - Reliability: web application should not break when a user is working.
  - Performance: web application should run smoothly with less response time.
  - Reusability: The last generated CVs will be stored and the user can edit it anytime in the future.

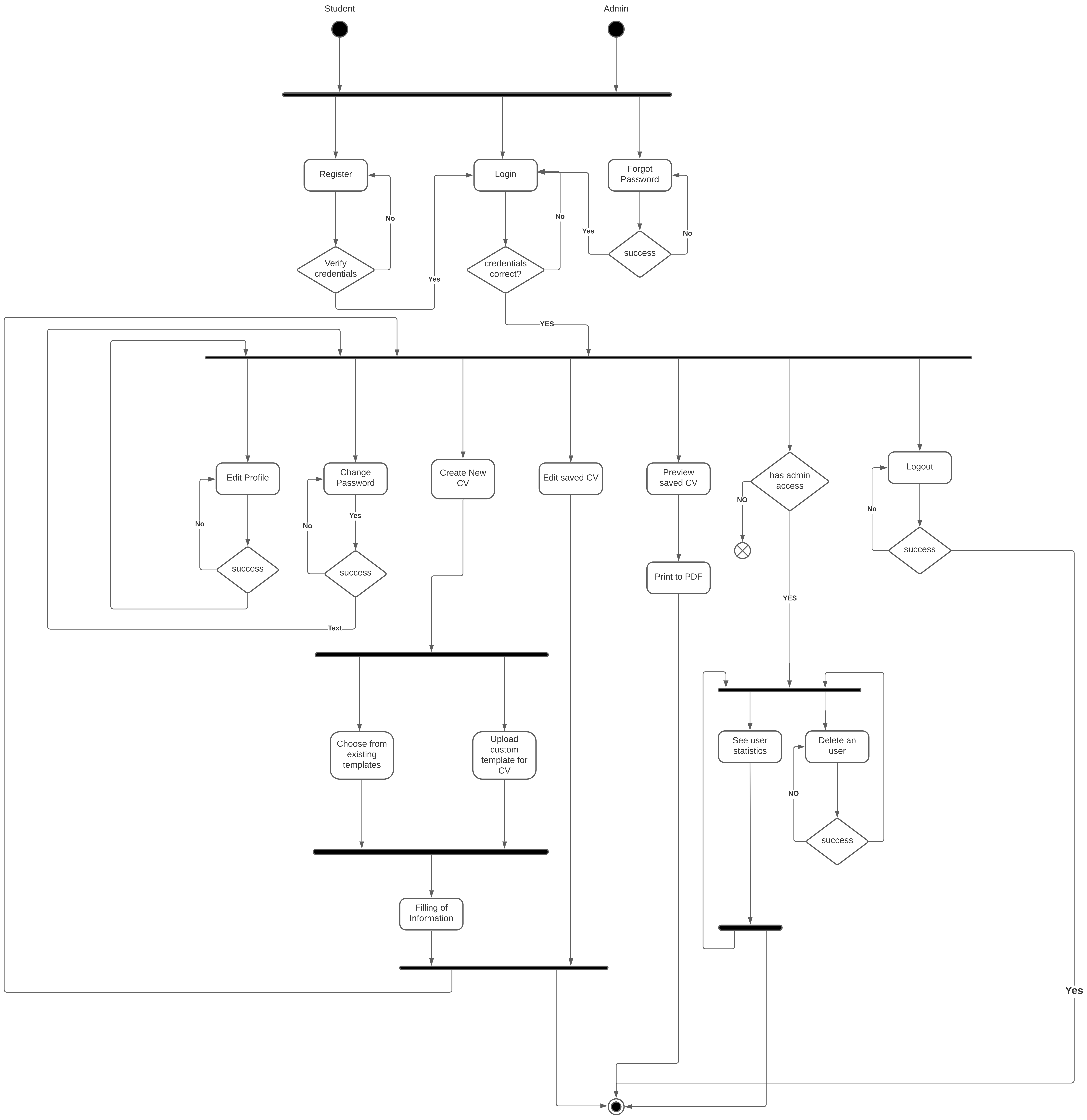
- Operating constraint : Users should have an internet connection.
- Interface constraint: UI/UX should be very minimal/unhindered as the main objective should be to easily make CVs.
- Flexibility: The website should also be responsive to run on mobile devices.
- Supported range of browsers/OS and their versions:
  Chrome >= 45
  Firefox >= 38
  Edge >= 12
  Explorer >= 10
  iOS >= 9
  Safari >= 9
  Android >= 4.4
  Opera >= 30

- **Domain Requirements:**
  - For Academic Domain, Verification of the CPI input made by User directly from the college website.
  - Web Application should have several templates having fields such as skills, achievements, projects, education, internships etc.

Elicitation Techniques

- **Brainstorming**:
    - In several initial group meetings, we discussed many ideas spontaneously contributed by the members in a healthy manner.
    - We discussed what should be and should not be part of the application. i.e identifying and refining/removing ambiguous requirements.
- **Analysis of existing systems**
    - A couple of more meetings were dedicated towards analysis of existing CV-Maker systems.
    - The analysis majorly focused on tech stack used and functionality and appearance.
    - Vote based opinions were taken on parameters of each of the existing repositories/web apps.
    - Ease of use and existing problems faced by users were given priority in the voting.


CVMaker
End User
Student
Professional
Backend Database
Authentication
<<include>>
Login
<<include>>
Verify Credintials
<<extend>>
Register
<<extend>>
<<include>>
Show Error Message
<<extend>>
Delete Account
<<extend>>
Profile Managemnet
<<extend>>
Change Password
<<extend>>
Log Out
CV Management
<<include>>
Create CV
New CV
<<include>>
Choose Template
<<extend>>
Upload Custom Template
Choose From Saved CV
<<extend>>
Modify/Update CV Form
<<extend>>
Add/Drop Section(s)
<<extend>>
Filling Up Existing Section(s)
<<extend>>
Preview CV
<<extend>>
Print PDF
<<extend>>
Save Current CV


Student
Admin
Register
Login
Forgot Password
No
No
No
Yes
Verify credentials
credentials correct?
success
Yes
YES
Edit Profile
Change Password
Create New CV
Edit saved CV
Preview saved CV
has admin access
Logout
Yes
No
No
NO
No
success
success
success
Print to PDF
YES
Text
Choose from existing templates
Upload custom template for CV
See user statistics
Delete an user
NO
success
Filling of Information
Yes

Planning for further development

- We Divided all the requirements in 3 increments as follows:
    - **Increment-1: (Completed)**
        - Authentication (local + Google OAuth).
        - Dashboard for Student and Admin.
        - My Profile Page.
        - User Schema.
        - Backend routes for authentication, Edit Profile, Admin Related Routes.
    - **Increment-2:**
        - Resume Schema.
        - Setting Basic Template.
        - CV Form Page Based on chosen Templet.
        - All action related to CV from page.
        - Traffic Page for Admin.
    - **Increment-3:**
        - Forget Password page.
        - Parsing of PDF.
        - Refinement of UI.