

## **Software Requirements**

**Project name: - PDF evaluator**

**Team Number - 10**

## 1. Revision History

Date	Version	Description	Author
Sep 18, 2023	1.0	Brief Problem Statement, Stake holders	Subha Sri
Sep 18, 2023	1.0	System Requirements	Devi
Sep 18, 2023	1.0	Functional Requirements, Non-Functional Requirements	Anmol
Sep 16, 2023	1.0	Use Case Diagram, Use Case Descriptions	Swapna
Sep 17, 2023	1.0	Use case Description, Individual Contributions	Dharam
Sep 22, 2023	2.0	Class Diagram	Subha Sri, Devi
Sep 22, 2023	2.0	ER Diagram	Subha Sri, Swapna
Sep 22, 2023	2.0	Sequence Diagram	Anmol, Swapna, Dharam

<b>Sep 23, 2023</b>	<b>2.0</b>	Information Architecture diagram	<b>Devi, Anmol</b>
<b>Sep 23, 2023</b>	<b>2.0</b>	Design Rationale	<b>Dharam, Subha</b>
<b>Sep 22, 2023</b>	<b>2.0</b>	User interface	<b>Swapna, Dharam, Subha, Anmol, Devi</b>

## 2. Class Diagram

### **Users:**

The user class stores all the information of the user who has registered into the webpage by providing their information such as username and password. The class contains the list of attributes such as signup, login and PDF upload.

### **Admin:**

Admin portal where all the details of the user's and pdf analysis data can be access by the admin, where admin can perform analysis on the PDF analysis data to enhance the process of creating the document And Suggest the user's to follow few data trends followed by the other users.

### **User Analysis:**

The user analysis locates the user id and provides details on the user, including the date and time that the user logged in.

### **PDF Upload:**

The file name, user id, and PDF id are all contained in the PDF Upload class. This class saves each page of the PDF for later analysis.

### **PDF Analysis:**

The analysis id, PDF id, user id, and analysis data are all included in the class called PDF Analysis. Additionally, this class has a list of properties including PDF dashboard and analysis.

### **Page:**

The information regarding the page number and content is contained in this page class. Wherever, every page must be examined.

### **Search:**

The search class allows users to conduct detailed searches within PDF document. It provides methods for users to enter search phrases and performs searches inside the text of PDF files.

**Navigation:**

The user can view the pages of the document and move to the subsequent or previous page with the aid of the Navigation class.

**Evaluation:**

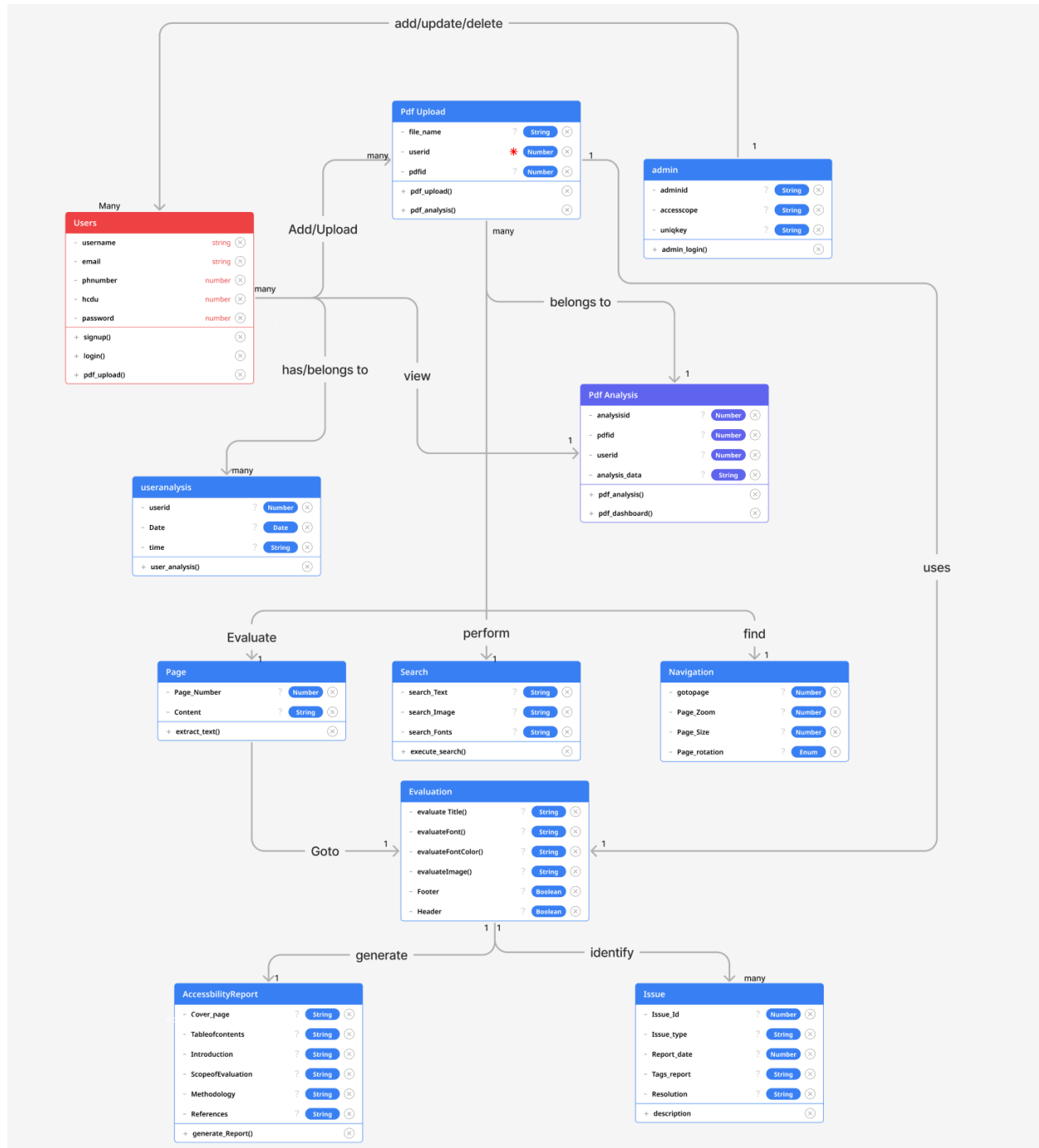
The title, font style, font size, font color, and graphics must all be evaluated by the evaluation class while evaluating the PDF document. Additionally, the resolution and image size are provided.

**Accessibility Report:**

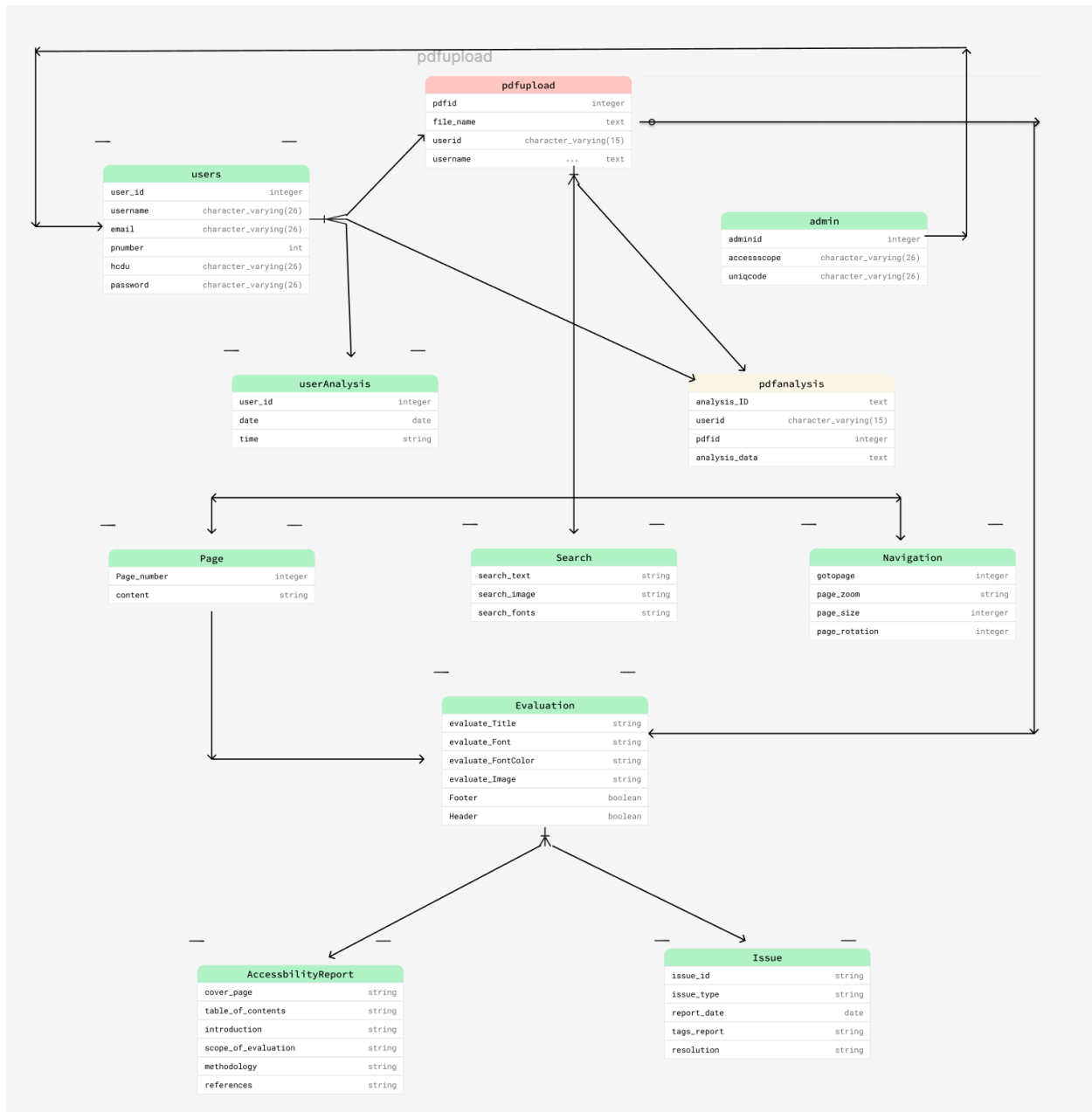
After analyzing the entire PDF document, the accessibility report class is responsible for creating the new document.

**Issue:**

The issue class will report if there is a problem with PDF assessment, such as sluggish PDF processing, inaccurate analysis, or user authentication.



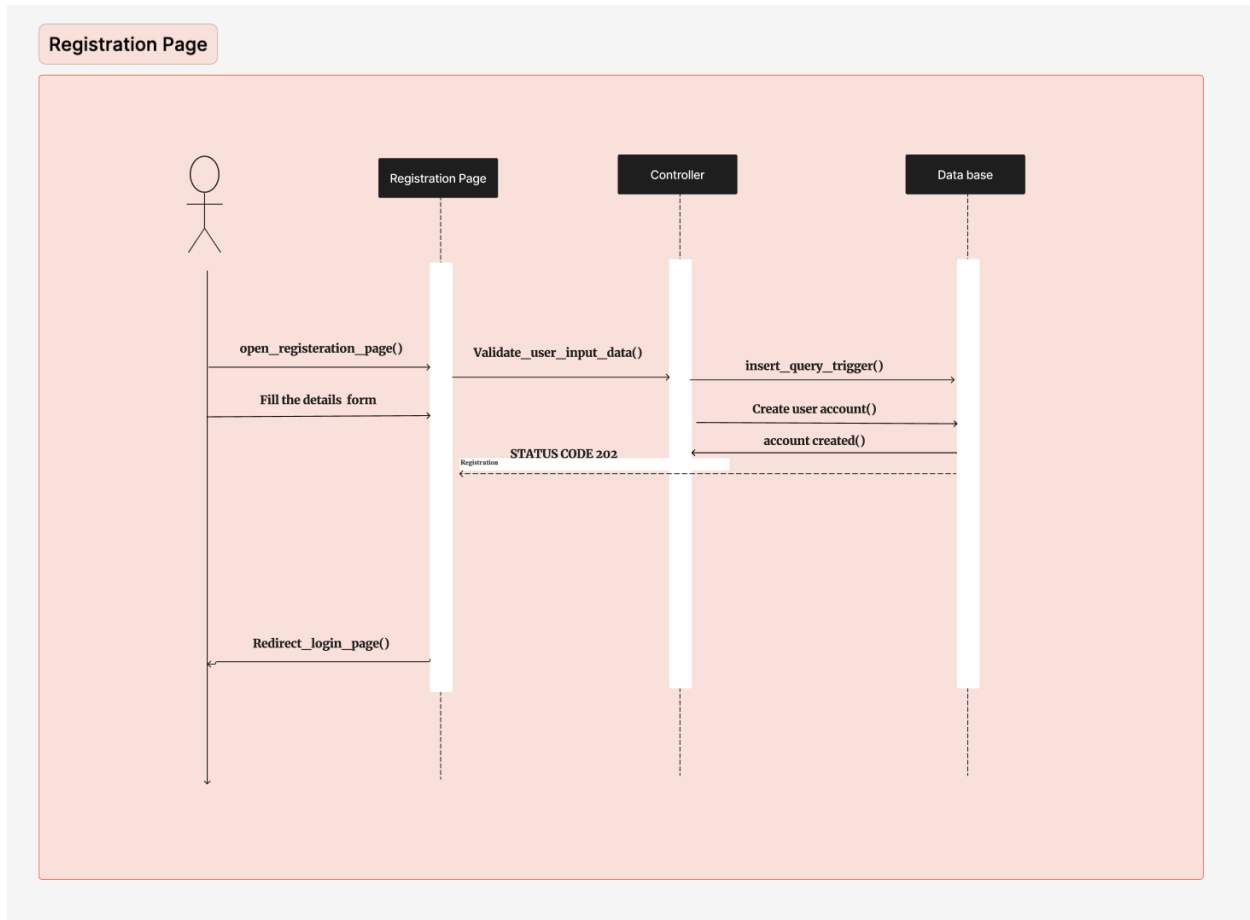
### 3. ER Diagram



## 4. Sequence Diagram

### 1. Registration

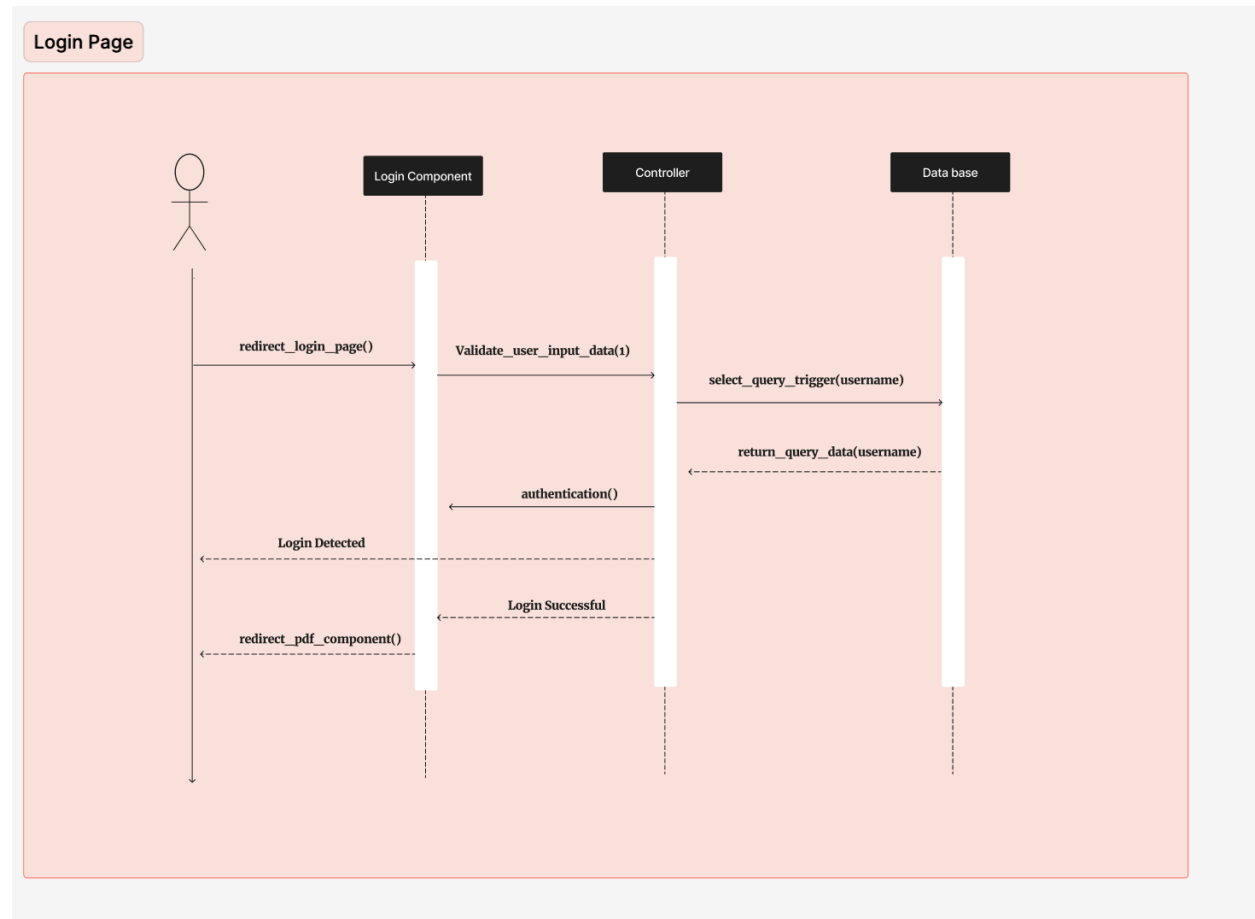
Actor – user





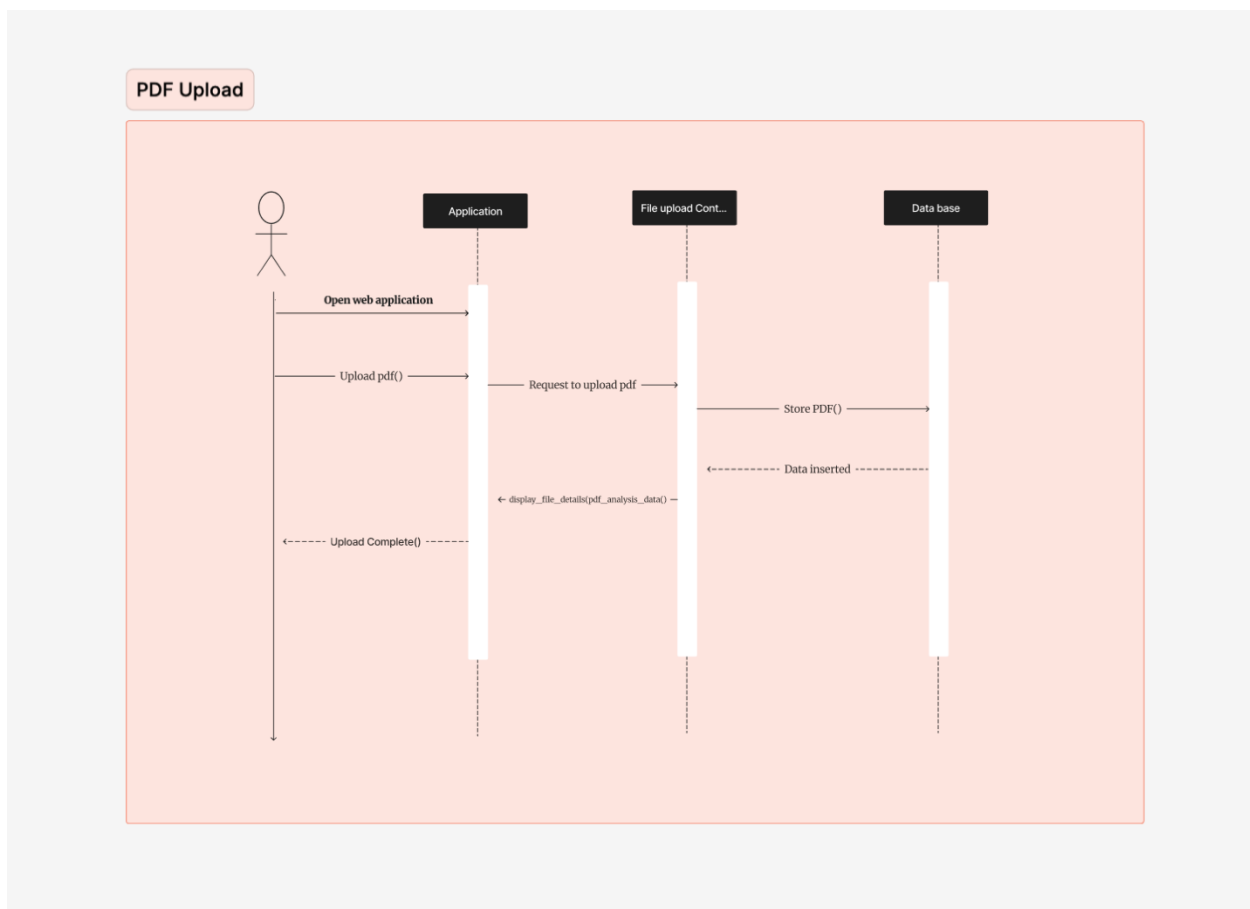
## 2. Login

Actor – user



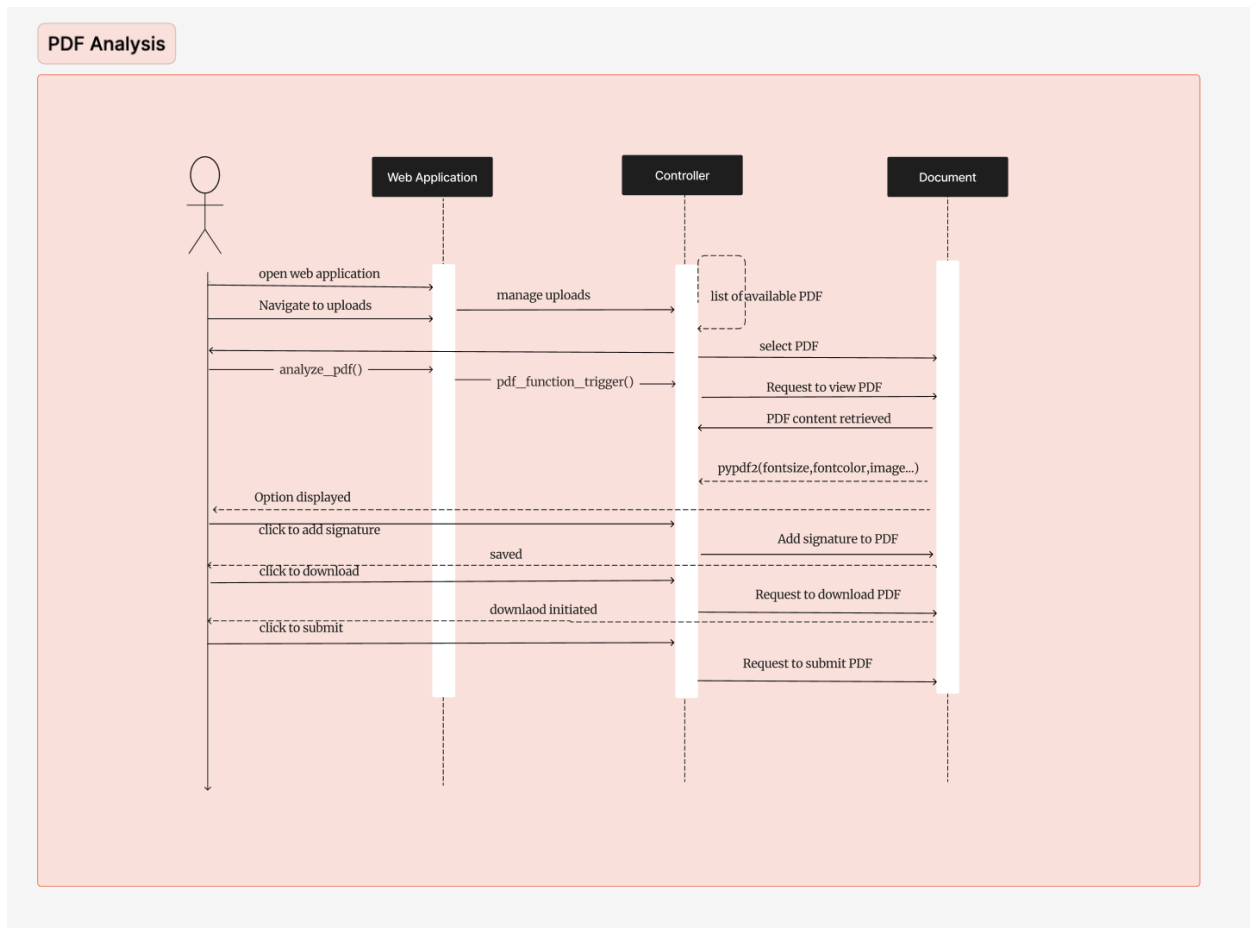
### 3. Upload

Actor – user



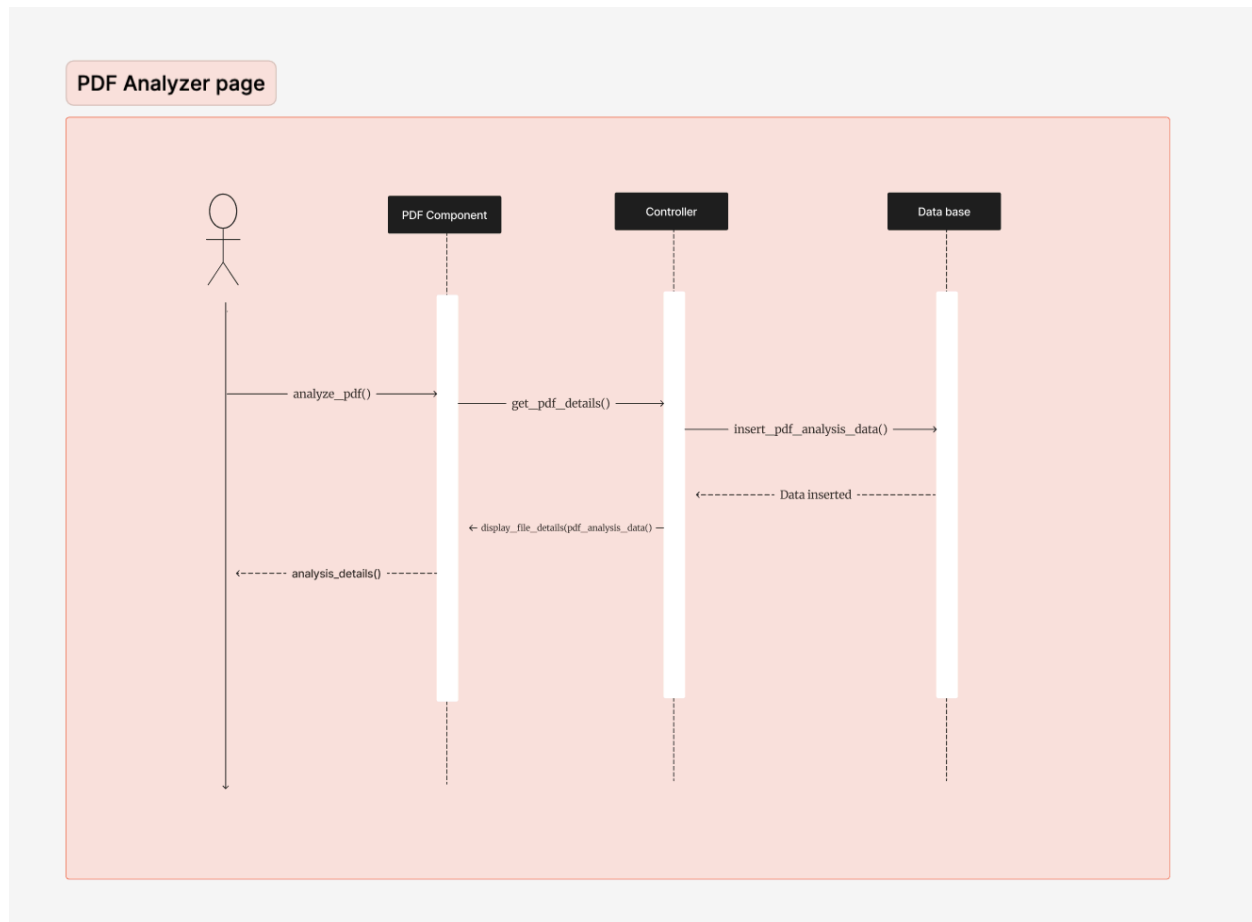
#### 4. PDF Analyze

Actor – user



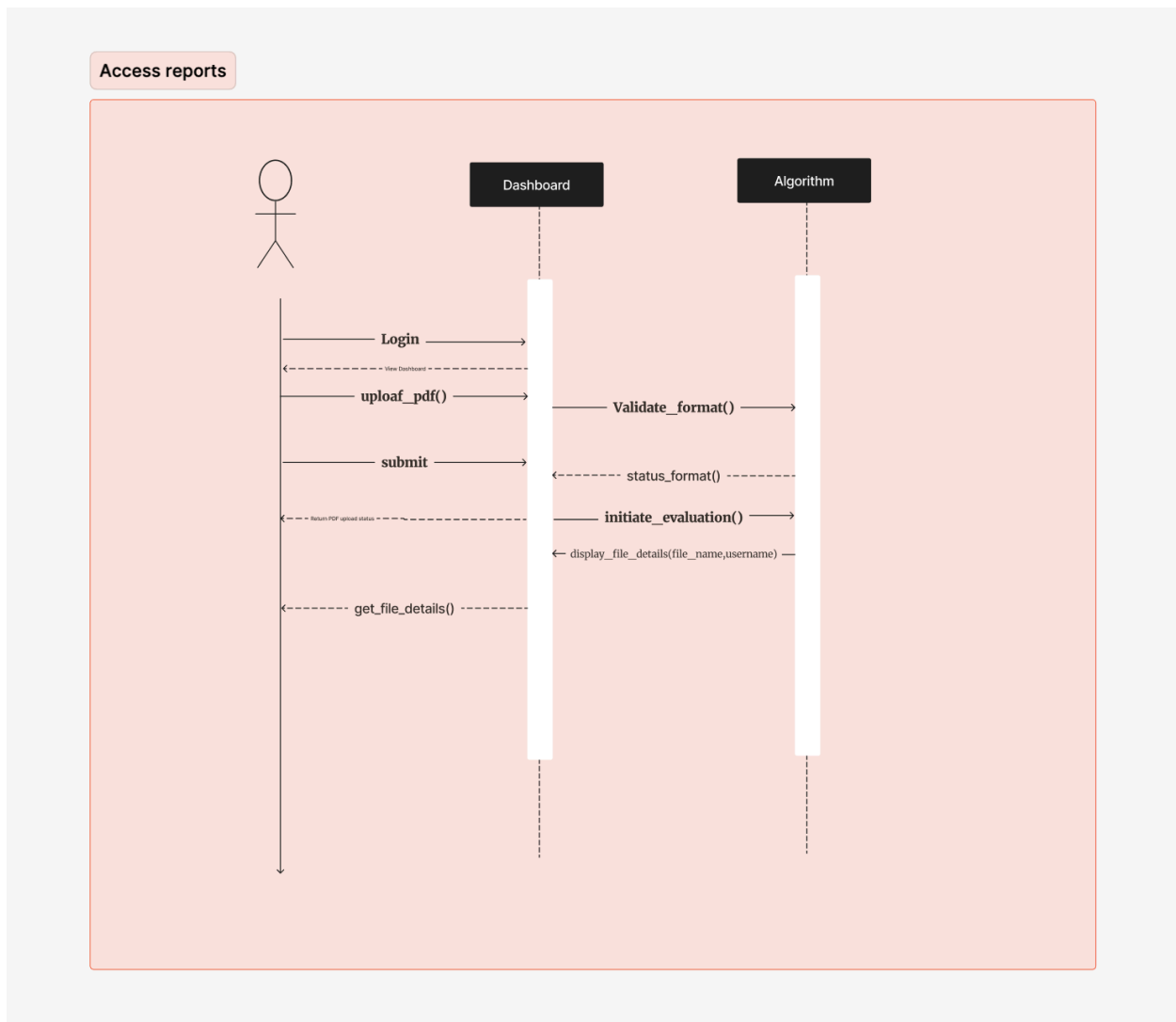
## 5. PDF analyzer page

Actor – user



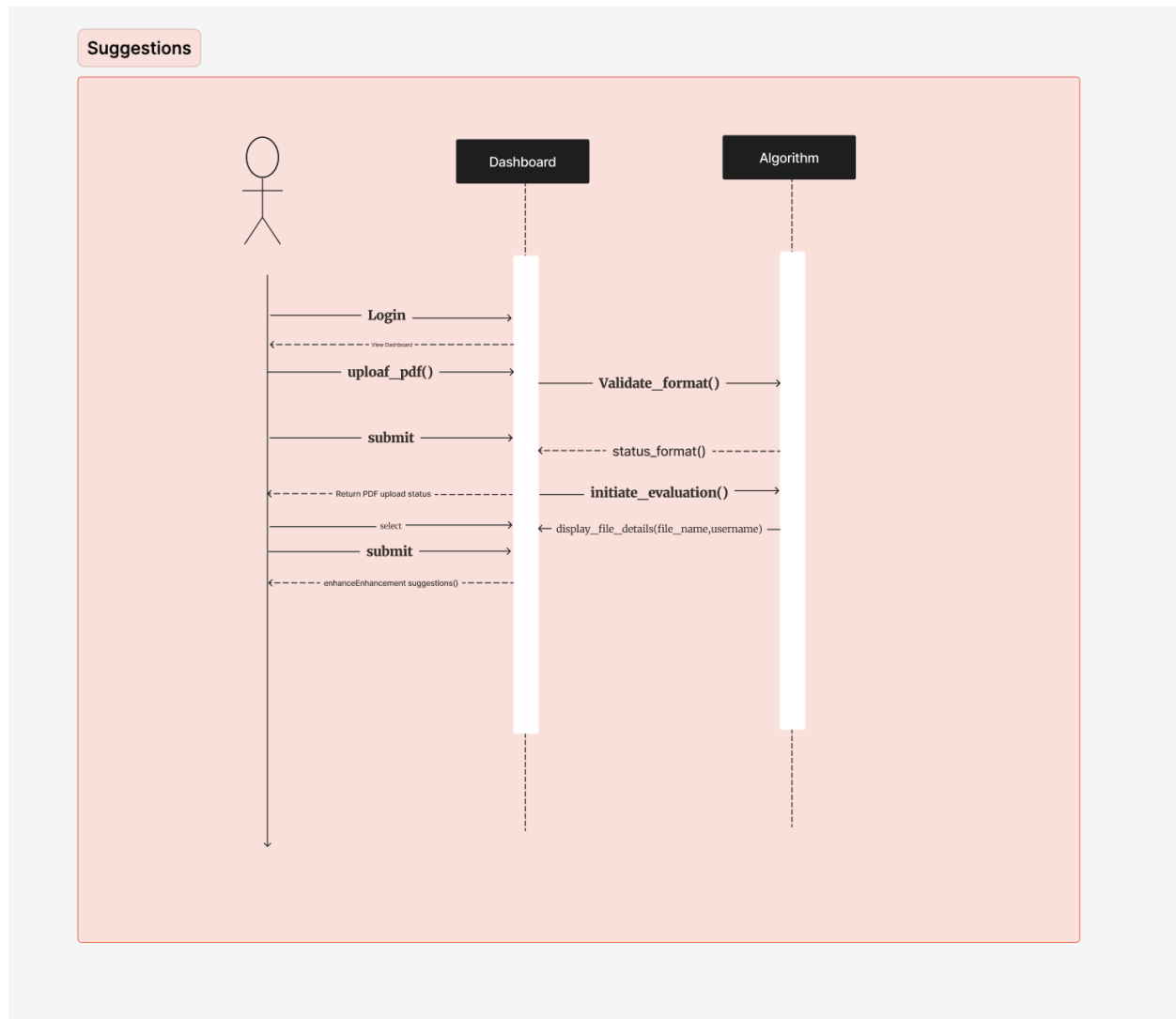
## 6. Access Report

Actor – user



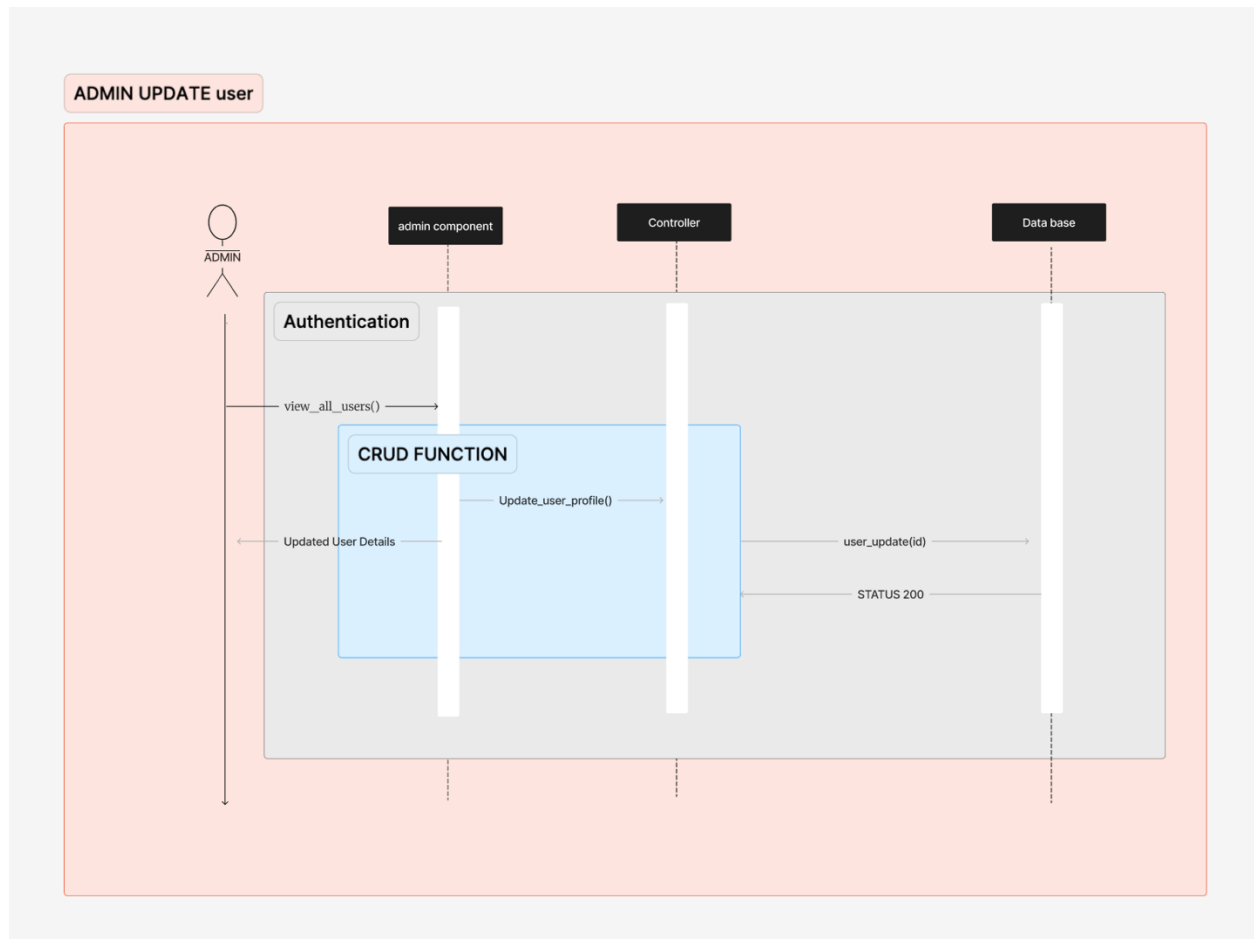
## 7. Suggestions

Actor – user



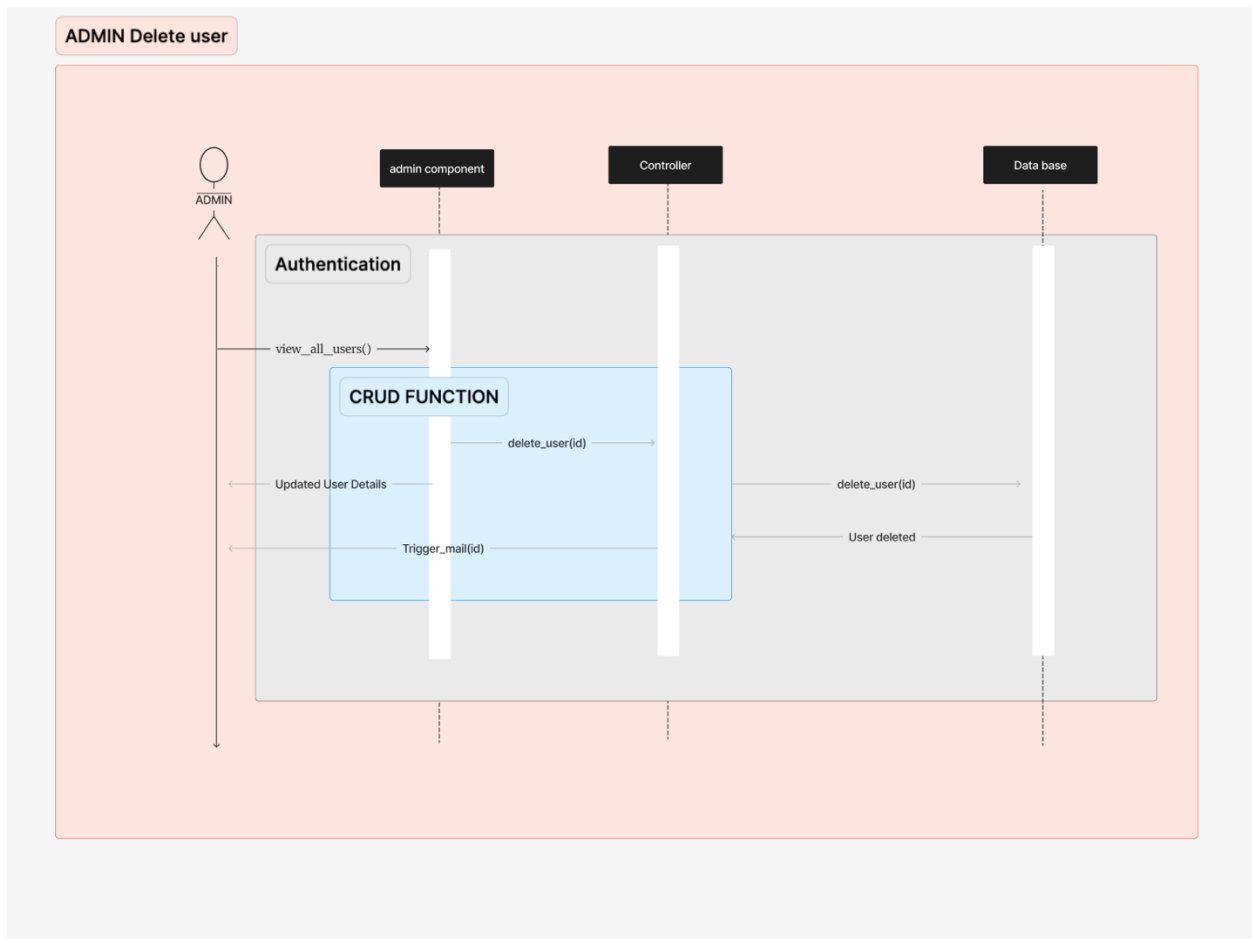
## 8. Admin update user

Actor – Admin



## 9. Admin Delete user.

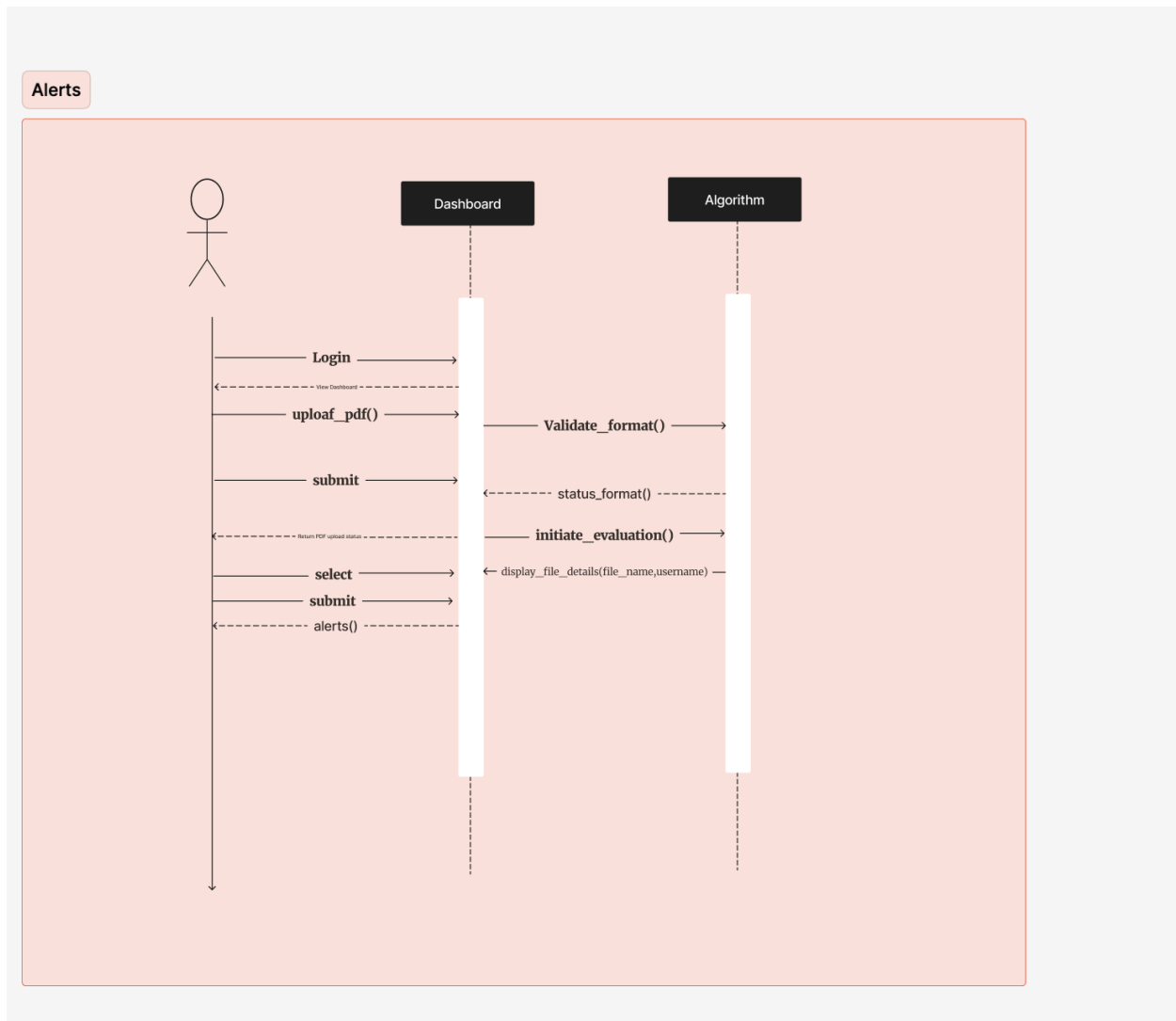
Actor – Admin





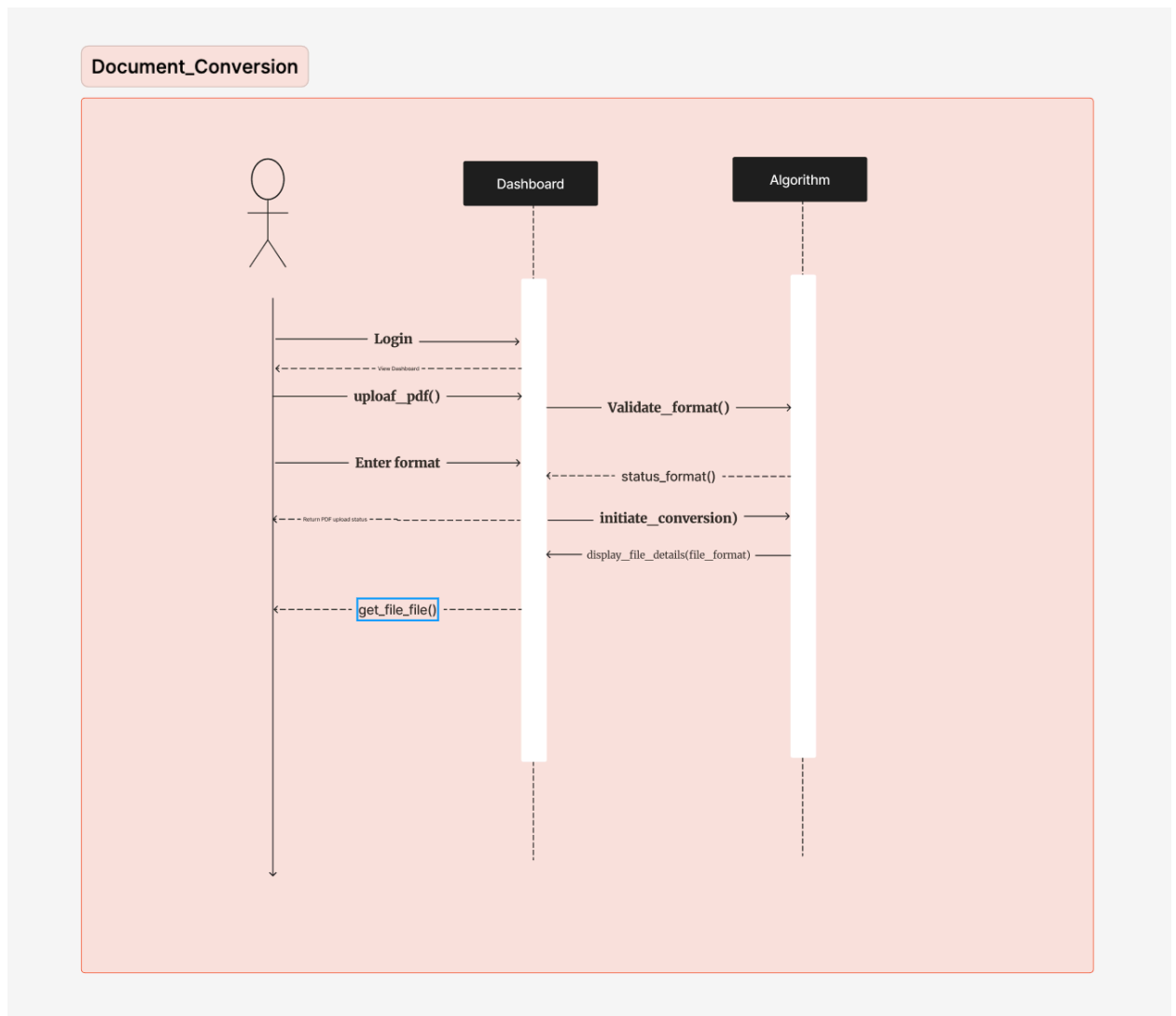
## 10. Alerts

Actor – user



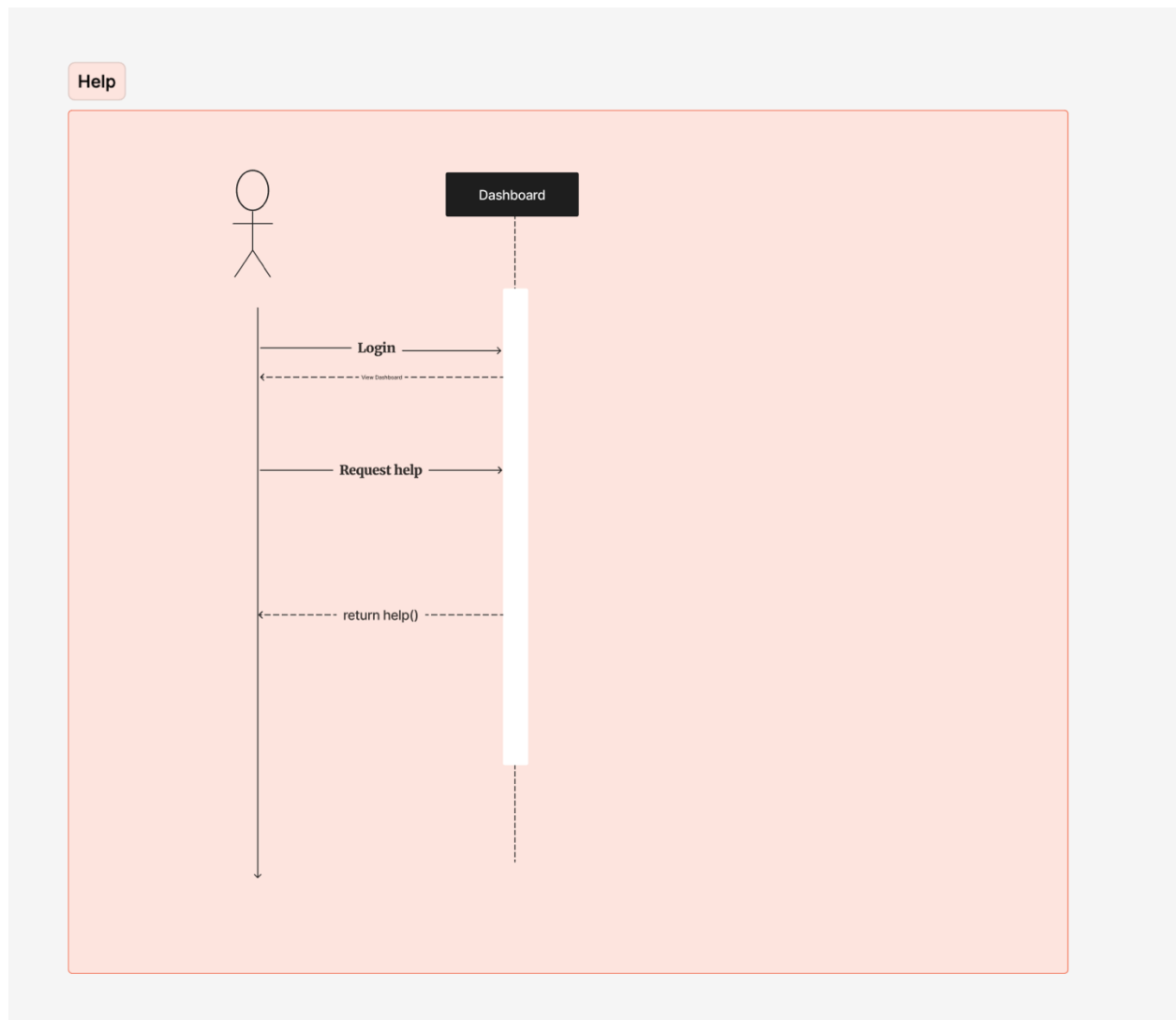
## 11. Document conversion

Actor – user



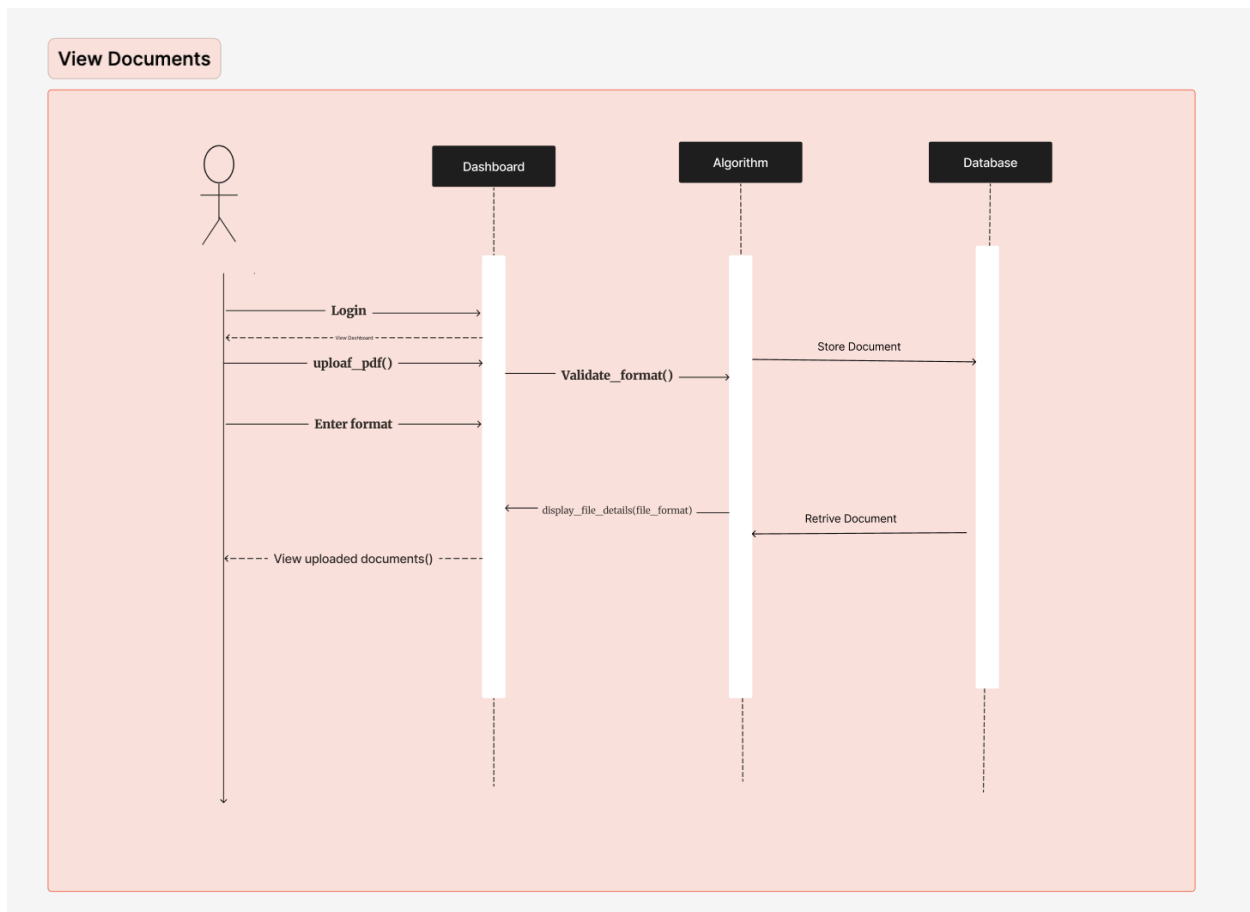
## 12. Help

Actor – user

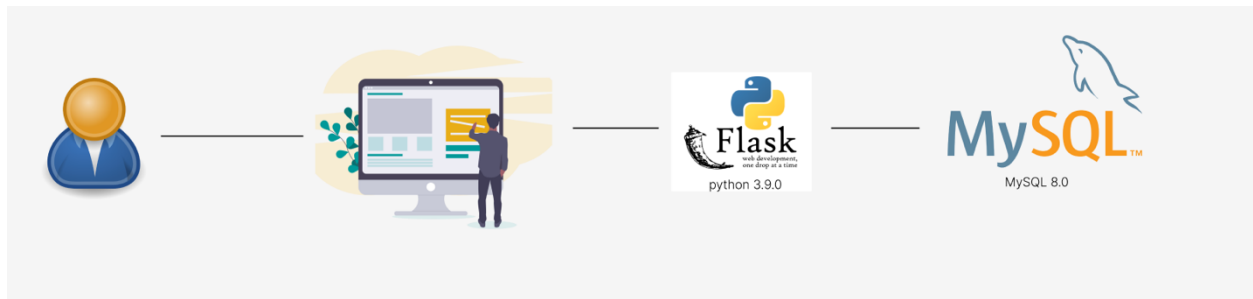


### 13.View Documents

Actor – user



## 5. Information Architecture Diagram



## 6. Design Rationale

### **Registration and Login:**

To start the PDF assessment process, one must first create an account. The user must enter basic personal information which includes username, email address, and contact information and they must create a password, in order to create and secure their account. After creating a username and password, the user can log in. This guarantees complete login authentication for the user. With this design strategy, we hope to give both first-time users and returning ones an easy and simple experience.

### **Home Page:**

The home page, which serves as the main hub for communicating with our tool, is the first page a user sees after checking in, where they can access options, such as upload PDF, evaluate PDF, download PDF, email PDF, view profile, and edit profile. In order to give consumers a simple, logical, and accessible interface, we've tried to find a balance between sophistication and simplicity.

### **Upload and Evaluate PDF:**

The primary objective of our application, PDF evaluation, is initiated by the user uploading a PDF file. There is a broad range of criteria, which includes assessing Titles and Subtitles, Type of Tables, Type of Font, Colour and Size of text, Page numbering, etc. Once a PDF is uploaded, the evaluate button is enabled. When this button is clicked, the software studies the PDF and produces the anticipated report. Our software provides a thorough assessment, considering every criterion at once. Our tool's ultimate goal is to make sure that it is user-friendly to all clients especially the ones with disabilities. We also aim to follow corporate goals along with producing high-quality PDF's.

**View and Download PDF:**

After evaluation, the system generates an analytical report that the user can examine. The “View” functionality could be used for instant access of the document. Additionally, the end user is given the option to download the PDF. The “Download” functionality could be used for offline use, where the user could access the file in the absence of internet. We also ensure that PDF's are properly enhanced for downloads and this type of strategy enables to provide enhanced accessibility.

**Edit Profile:**

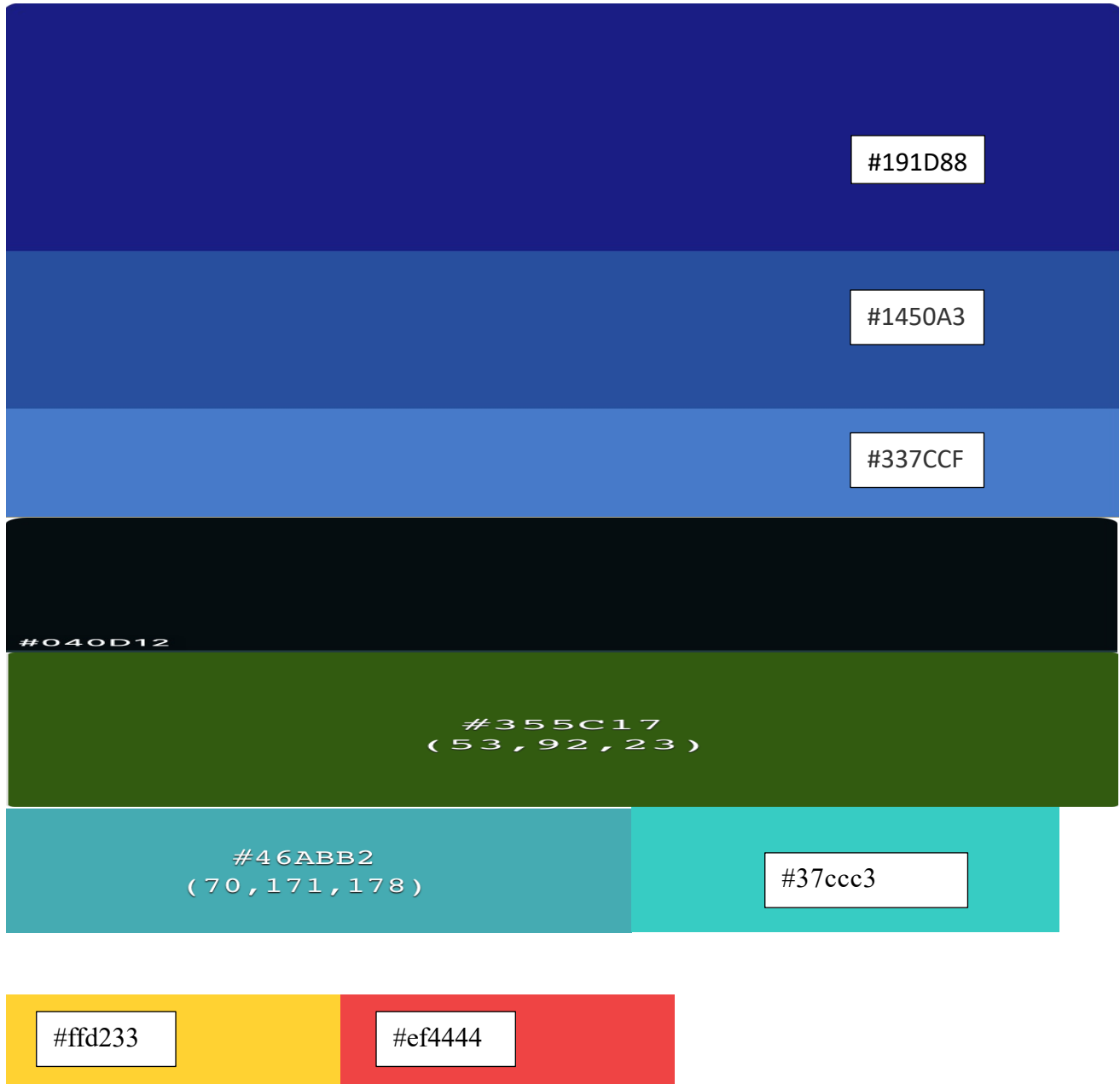
With this feature, users can alter their profiles whenever they wish. They are free to modify any information, including their username and password. The "Edit Profile" feature is focused on usability, customization, privacy, security and transparency. With this feature users are given smooth experience on managing their account. This would lead to enhancement in their involvement with our software.

**Logout:**

The "Logout" function can be used for security, session termination, privacy and compliance. By using this functionality, users can logout of their respective accounts. This offers users the ability to protect their account by preventing unauthorised access. This function adheres to industry and legal requirements for user authentication and privacy.

## 7. User Interface Screenshots:

Color

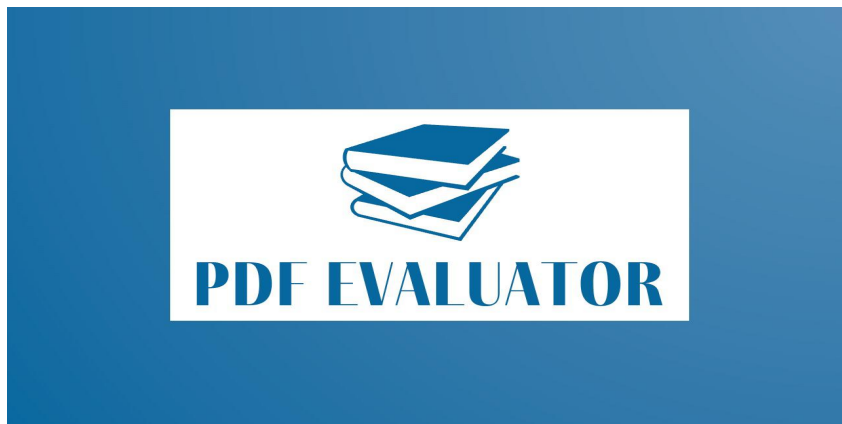




## Stylesheet

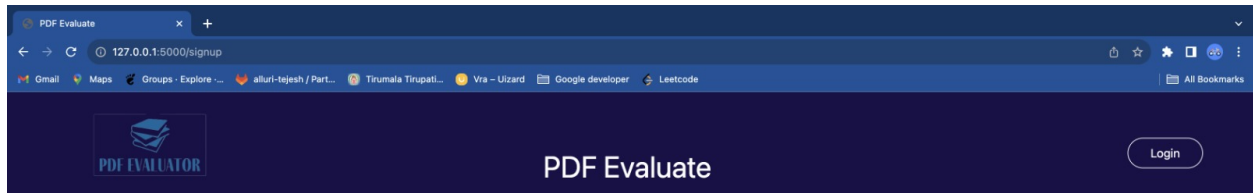
We are going to use ***Bootstrap*** to style the UI.

## Logo



## 1. Registration page

This page will allow user to register to our portal. The user has to enter all the requested details in order to register to the web application.



### Sign Up

Username

Email address

Phone Number

How can you define your self ?  
Open this select menu

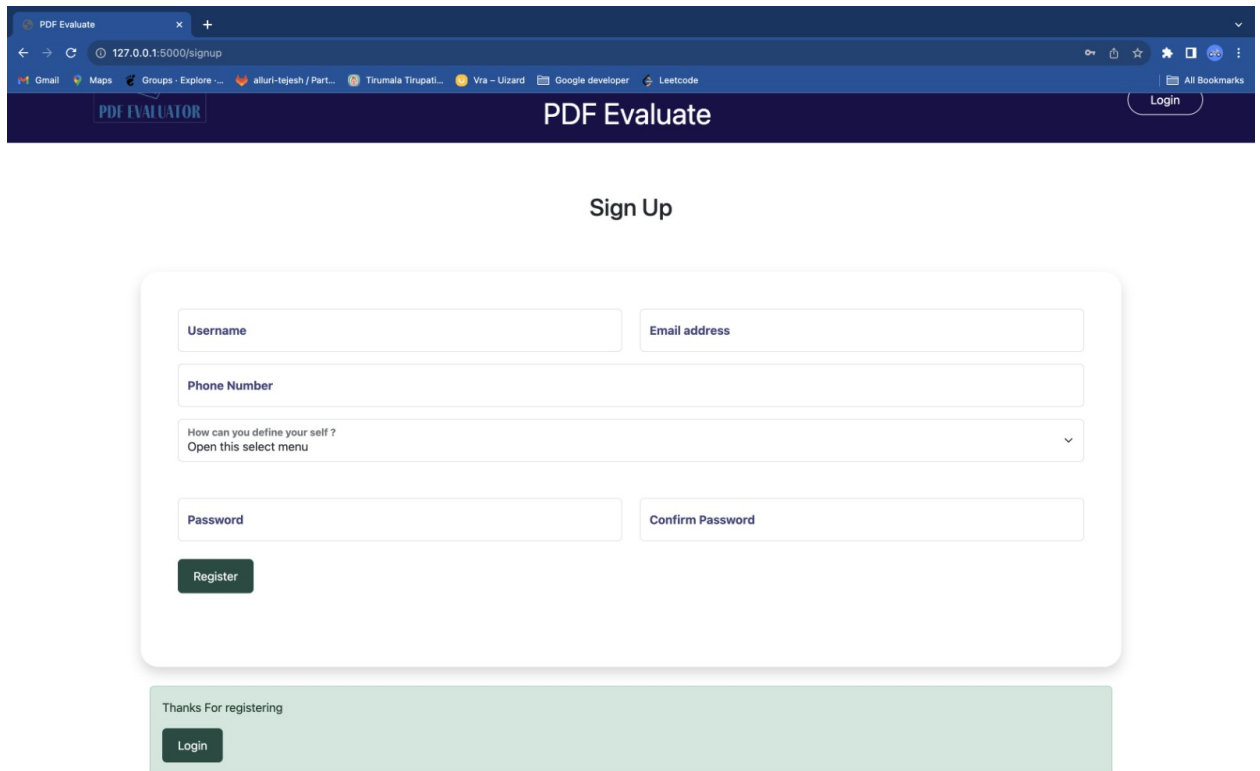
Password

Confirm Password

Register

## 2. Registrational successful pop-up page

Once the user successfully registered to the website Thanks for registering popup will be displayed.



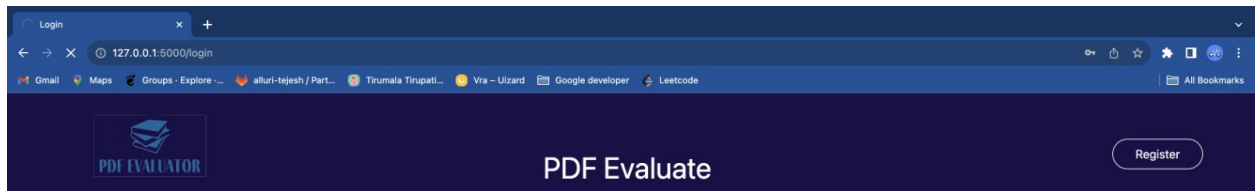
The screenshot shows a web browser window with the URL `127.0.0.1:5000/signup`. The page title is "PDF Evaluate" and the header includes a "Login" button. The main content area is titled "Sign Up" and contains a registration form with the following fields:

- Username
- Email address
- Phone Number
- How can you define your self ?  
Open this select menu (dropdown)
- Password
- Confirm Password

A "Register" button is located below the form fields. Below the form, a green popup message displays "Thanks For registering" and a "Login" button.

### 3. Login page

This page will allow registered users to login to the website. It asks user to enter username and password in order to login.



#### Login

User Name

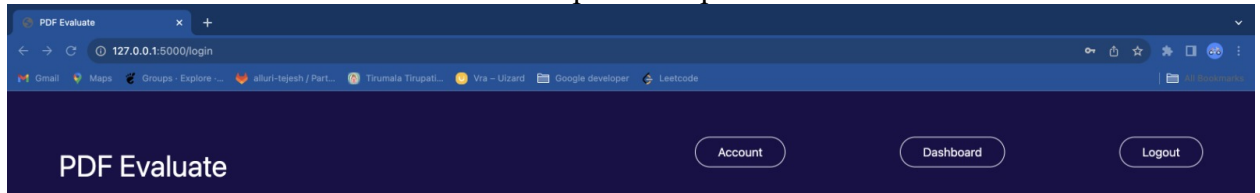
Password

Not Registered ? [Register](#)

Login

#### 4. Dashboard

Here the user chooses the file and click on upload to upload the PDF.



**Welcome swapna**

**Upload a PDF**

Choose file No file chosen

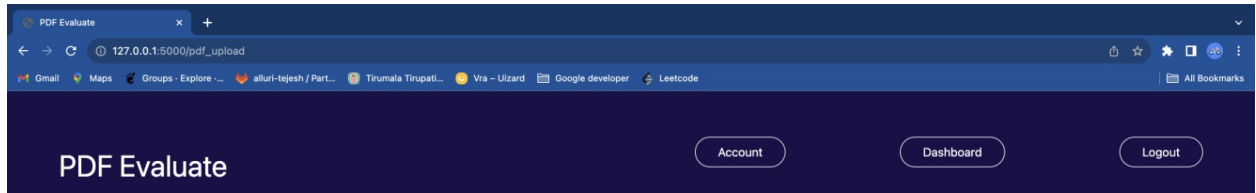
Upload

**Uploaded PDF**

No PDF file uploaded yet.

### 5. Page after uploading PDF.

Once the user uploads the upload the user can view the pdf as shown below.



**Welcome swapna**

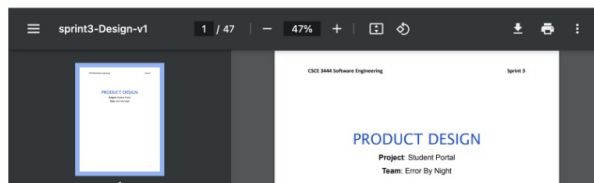
**Upload a PDF**

Choose file No file chosen

Upload

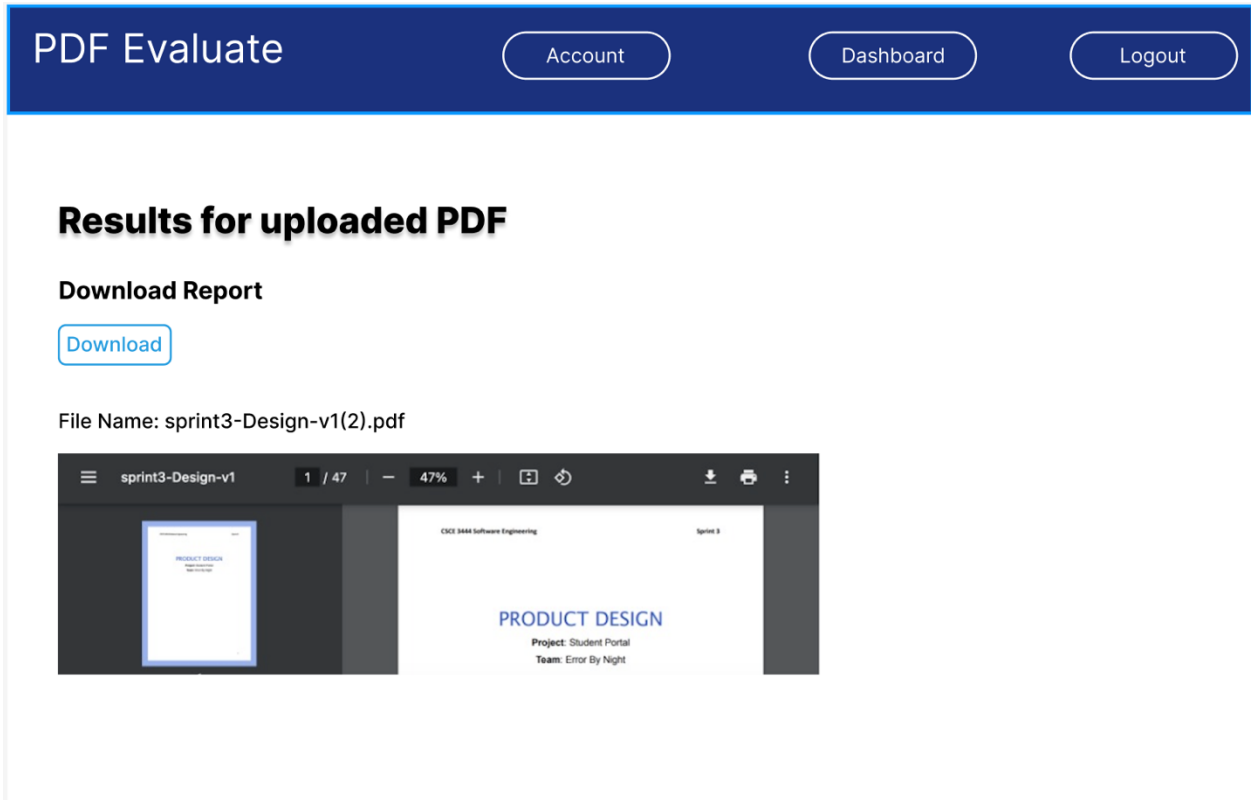
**Uploaded PDF**

File Name: sprint3-Design-v1 (2).pdf



## 6. Download Report page.

The user can see the results and download the report.



## 7. View Result page

Here the user view the of font details, font color, header and picture resolution etc of the file uploaded.

**PDF Evaluate**

Account





Dashboard

Logout

**View Result**

<b>Font Used</b>	Times New Roman
<b>Font color</b>	Black
<b>Header</b>	Yes
<b>Footer</b>	Yes

**Pictures**

Pictures	Page	Size	Resolution
	10	907×33	165 DPI
	11	907×33	165 DPI
	14	907×33	165 DPI
	19	907×33	165 DPI

Download



## 8. Help page

The user can get help and describe the issue and contact the admin.

**PDF Evaluate**[Account](#)[Dashboard](#)[Logout](#)

**Help?**

**Unable to Upload the file ??**  
Submit only PDF file

**Need to access uploaded documents ?**  
Access through dashboard

**Please describe your problem**

Need more information?  
[Contact us](#)





Email us: abcd@gmail.com  
Phone number : 987654321

## 9. View documents page

**PDF Evaluate**[Account](#)[Dashboard](#)[Logout](#)

**Enter file name**  **Search**

**Page 1 from 1** **Total files**

F_no	File name	Size	Date	<a href="#">View_file</a>	<a href="#">Download</a>
1	Resume1.pdf				
2	Cover_letter.pdf				
3	Student_employment.pdf				
4	Myclass.pdf				

<First << previous 1 Next Last>>

## 10. Search page

The user can search the file from the uploaded files.

PDF Evaluate

Account

Dashboard

Logout

Enter file name

Search

Page 1 from 1

Total files

F_no	File name	Size	Date

Frame 1

<First << previous 1 Next Last>>

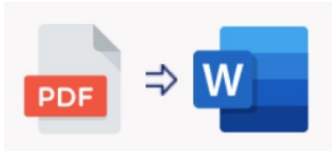
### 11. Document conversion page

The user can convert the file.

**PDF Evaluate**[Account](#)[Dashboard](#)[Logout](#)

## Document Conversion

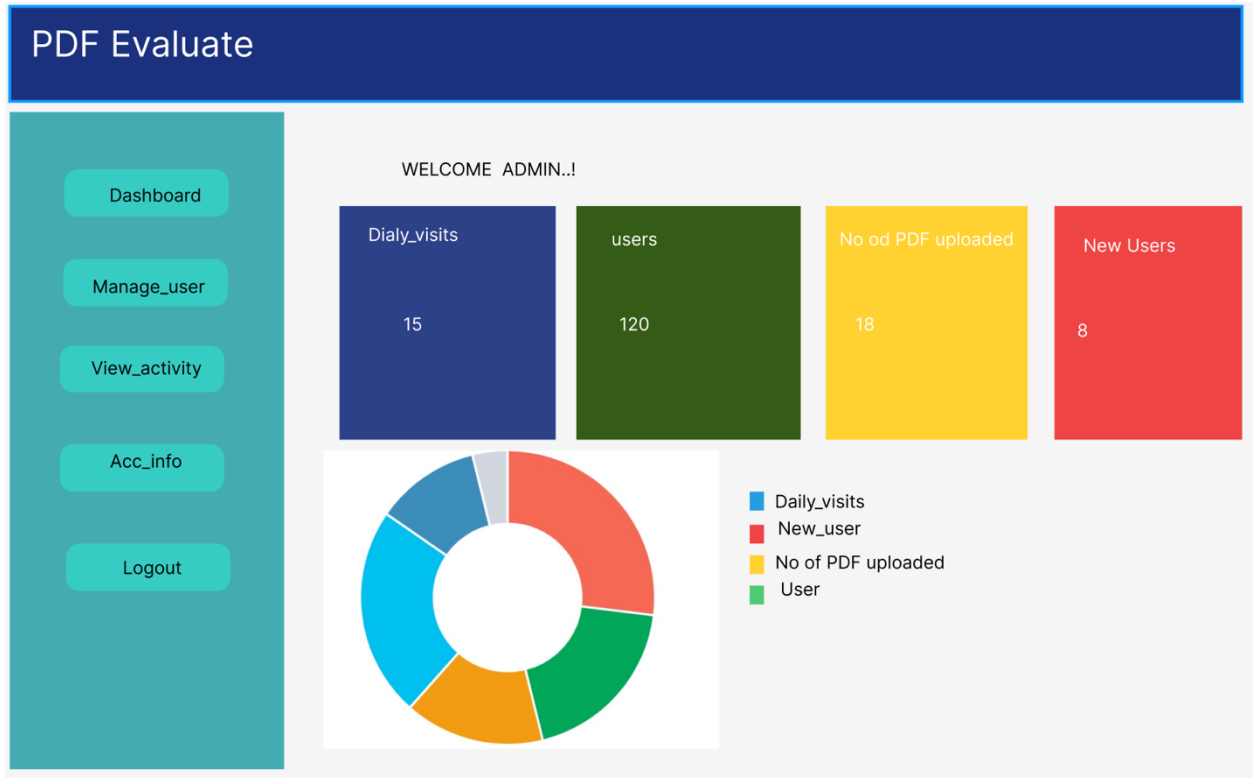
Upload PDF to convert



Upload

Convert

## 12. Admin dashboard



## 8. Individual Contribution

S.No	Name	Student ID	Contribution
1	Devi Inakollu	11647678	Worked on Information Architecture diagram, Class diagram, User Interface
2	Venkata Subha Sri Boddu	11697978	Worked on Class diagram, ER diagram, User interface, Design Rationale
3	Sai Anmol Muddagouni	11594265	Worked on Sequence diagrams, user interface, Information Architecture diagram
4	Swapna Priya Pala Chitti Babu	11609223	Worked on Sequence diagrams, User interface, ER diagram
5	Dharam Singh Vislavath	11714564	Worked on User interface, Sequence diagrams, Design Rationale