

PRODUCT DESIGN

Project: Pdf Evaluation

Team: 16

Team Members:

1. Sandeep Kumar Rudhravaram
2. Akhila Chintham

Revision History

Date	Version	Description	Author
09-28-2023	2.0	Class Diagram	Akhila Chintham
09-28-2023	2.0	ER Diagram(s)	Sandeep Kumar Rudhravaram
09-28-2023	2.0	Sequence Diagram(s)	Akhila Chintham/Sandeep Kumar Rudhravaram
09-28-2023	2.0	Design Rationale	Akhila Chintham
09-28-2023	2.0	Information Architecture Diagram	Sandeep Kumar Rudhravaram
09-28-2023	2.0	User Interface Wireframe(s)/Screenshot(s)	Akhila Chintham/Sandeep Kumar Rudhravaram

Class Diagram

- **User** - This class stores the information for all registered users on the system such as name, email id, mobile number and password.
- **Users_Type** - This class will contain the type of users., example: admin, normal user, unt students (based on email id will configure the unt student).
- **No_of_uploads**- Users with the admin, normal user, unt students will be part of this class. This will contain no of uploads of documents uploaded by the users

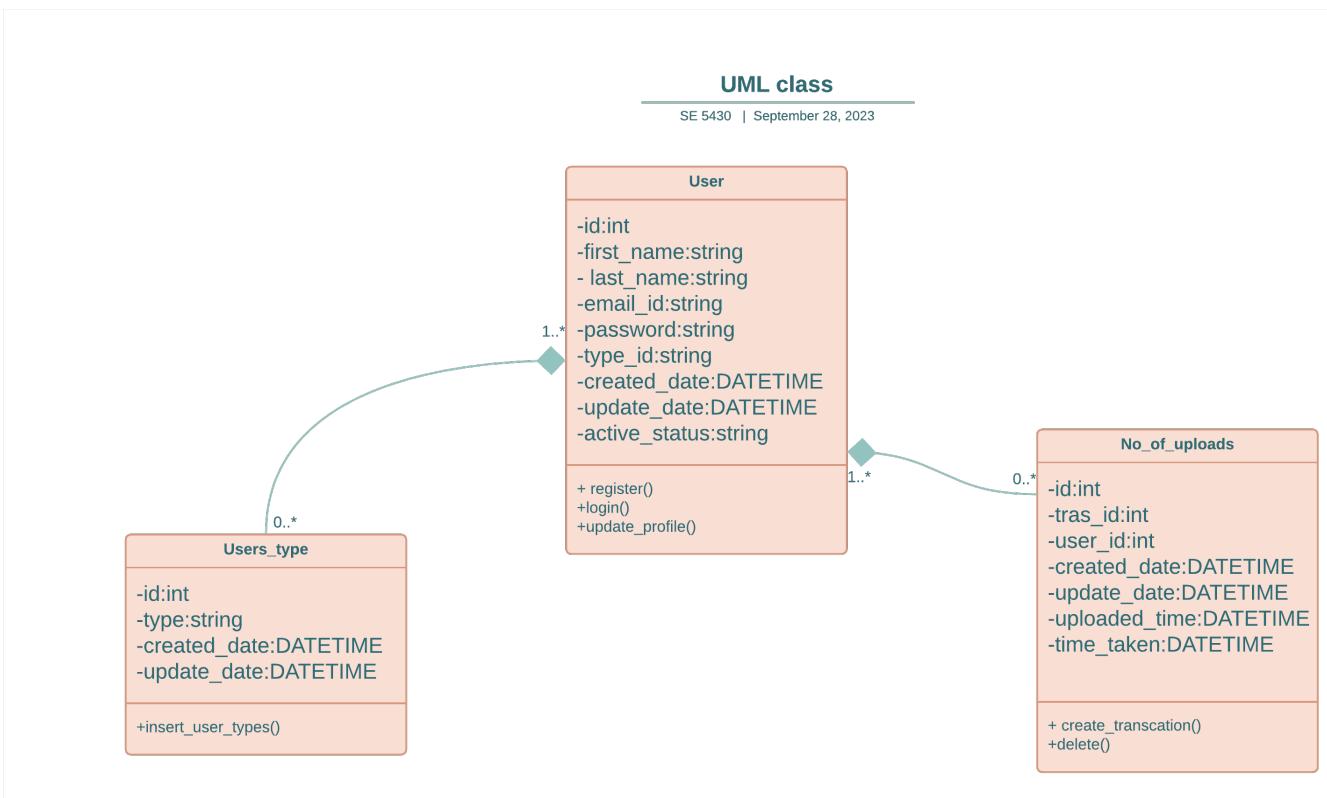


Figure 0.1

ER Diagram(s)

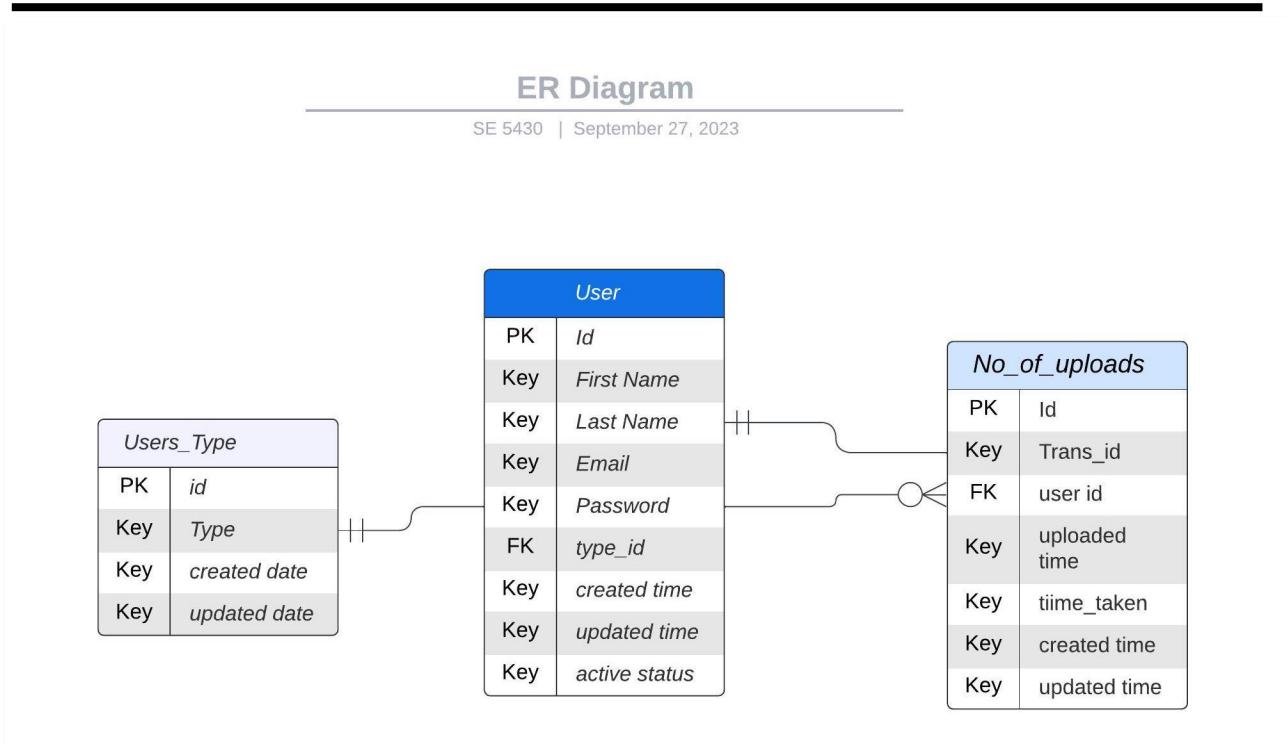


Figure0.2

Sequence Diagram(s)

1. Main page

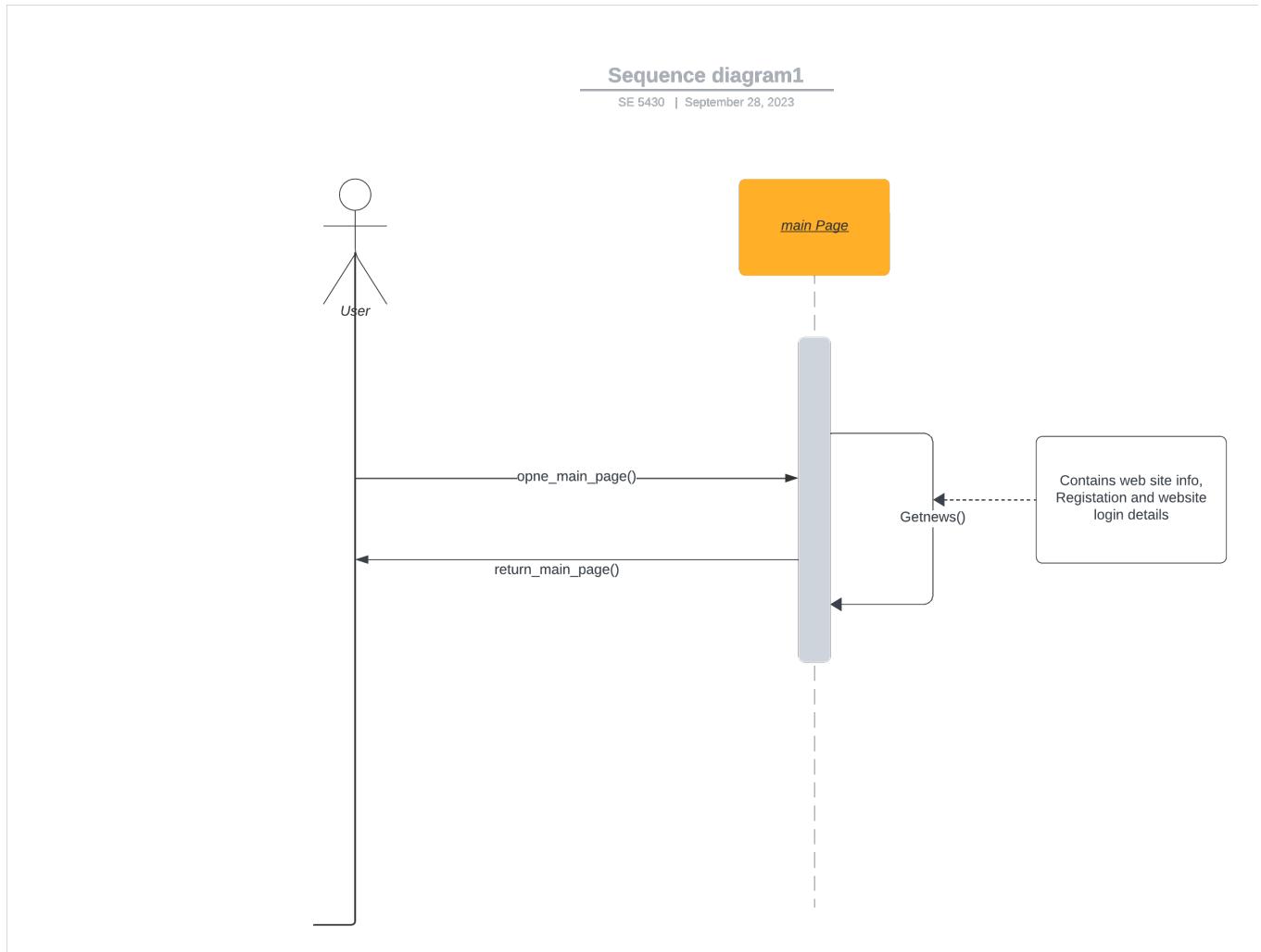


Figure0.3

2. Registration Page

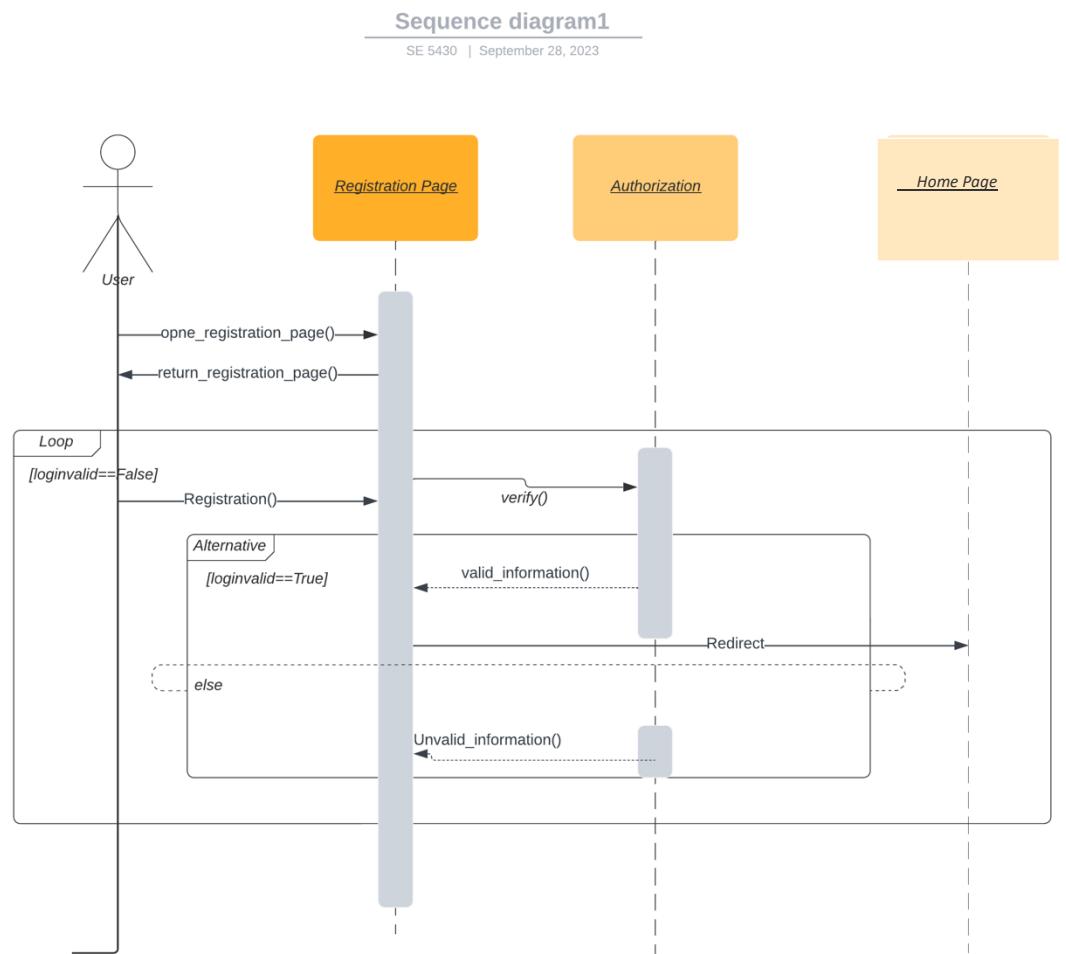
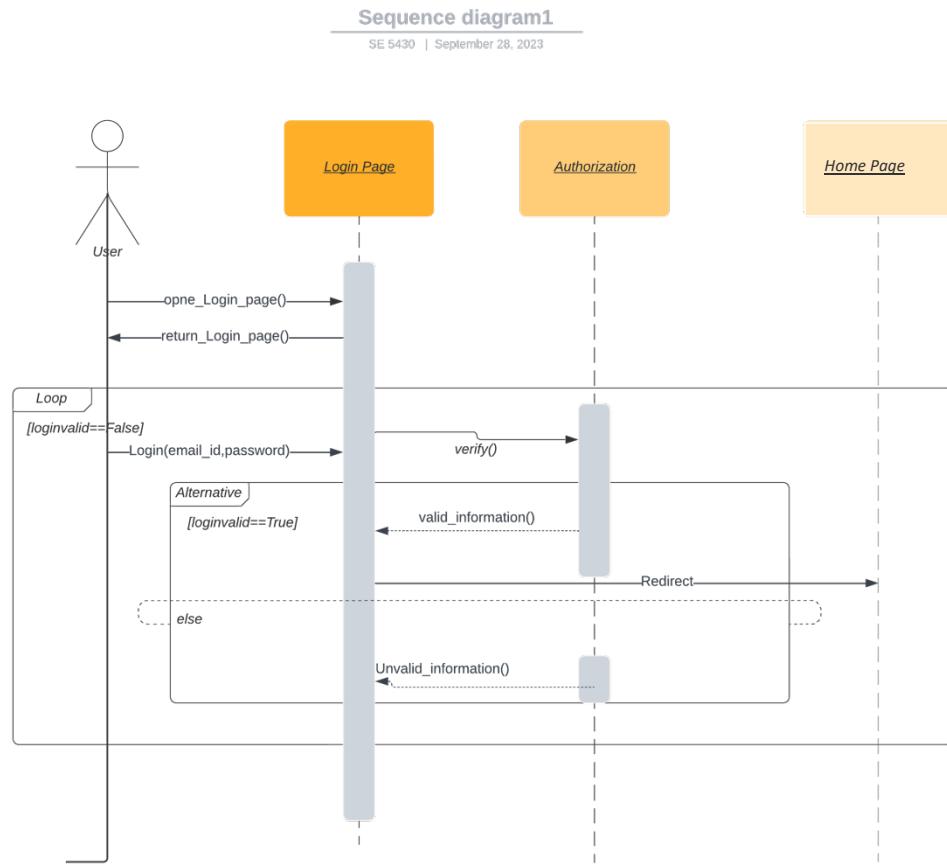


Figure0.5

3. Login.



As,,a

Figure 30

Figure 31

4. View Home Page

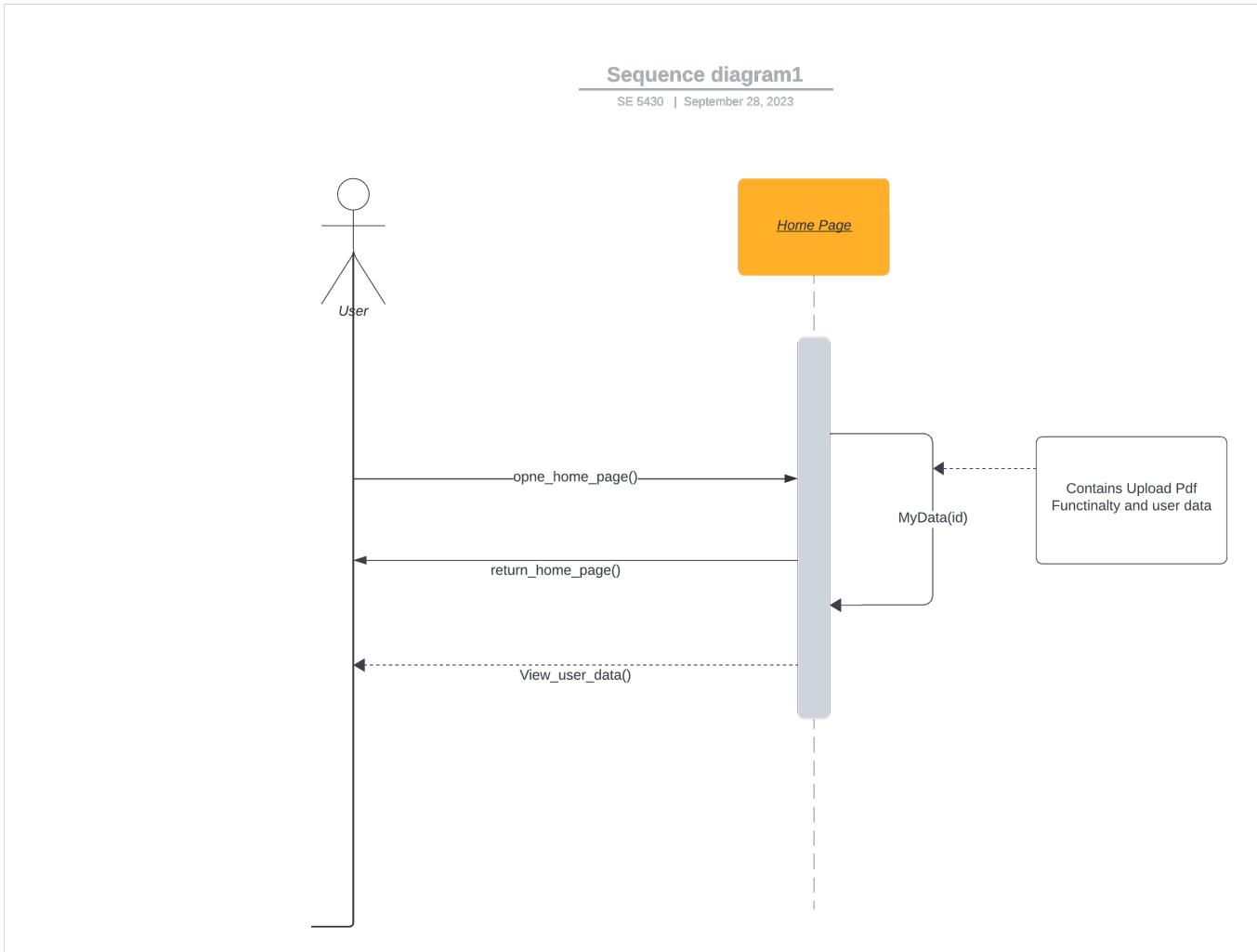


Figure0.6

5. Upload Pdf

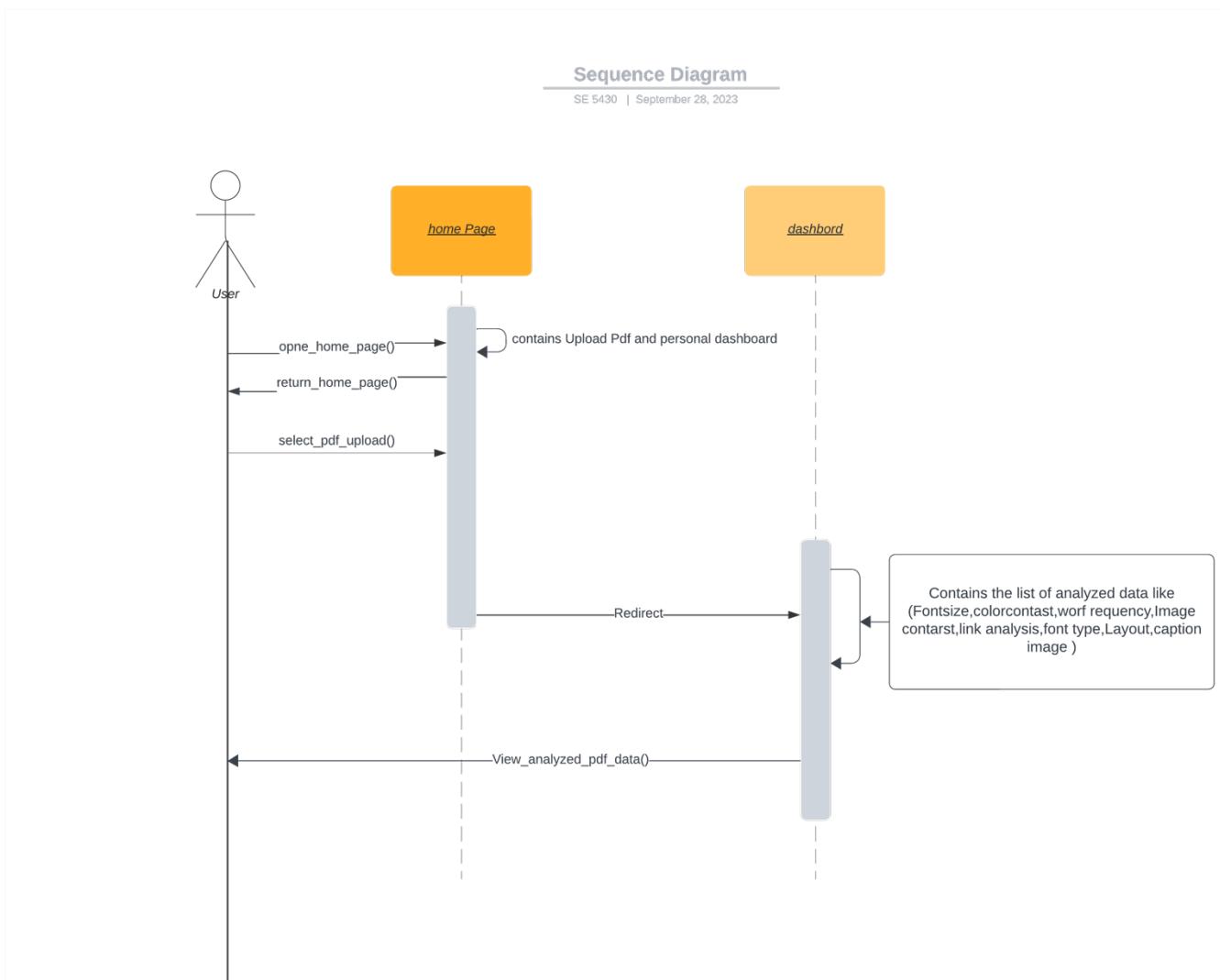
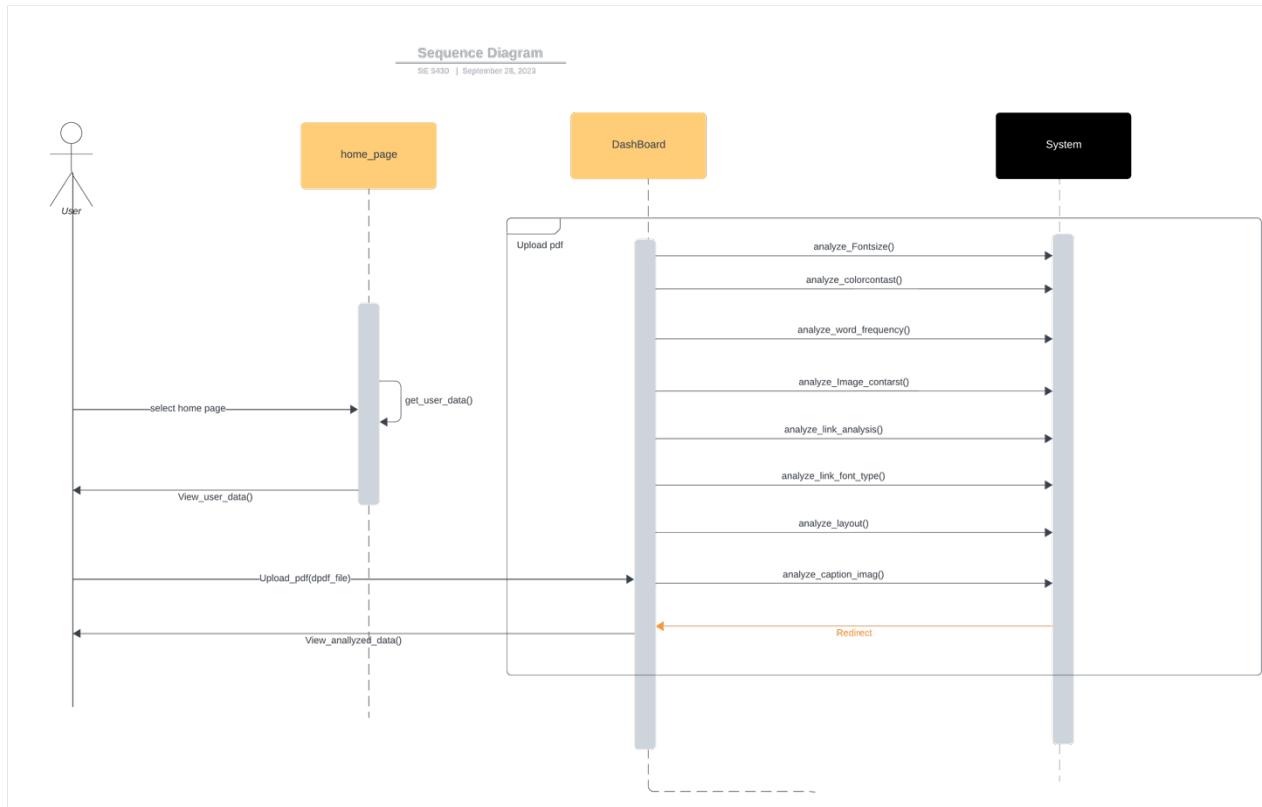


Figure0.7

6. Manage Dashboard and Analyzing



Sandeep Kumar

Our PDF analysis project's main page acts as the starting point for users, introducing them to the platform's features and functionalities in a straightforward and informative manner. When users first land on this page, they encounter two main options: "Register" and "Login." For individuals who are new to the platform, selecting the "Register" button initiates a simplified registration process. During this step, they are prompted to provide basic information like a username, email address, and password. Following this registration step, users are directed to an OTP (One-Time Password) verification page. Here, they must enter the OTP sent to their registered email address for validation. Once this OTP validation is successfully completed, users gain access to the platform and can proceed to log in using their selected username and password.

figure 0.8

Design Rationale

Our PDF analysis project's main page acts as the starting point for users, introducing them to the platform's features and functionalities in a straightforward and informative manner. When users first land on this page, they encounter two main options: "Register" and "Login." For individuals who are new to the platform, selecting the "Register" button initiates a simplified registration process. During this step, they are prompted to provide basic information like a username, email address, and password. Following this registration step, users are directed to an OTP (One-Time Password) verification page. Here, they must enter the OTP sent to their registered email address for validation. Once this OTP validation is successfully completed, users gain access to the platform and can proceed to log in using their selected username and password.

After logging in, users are directed to the Home page, a personalized dashboard designed to cater to their specific needs. This dashboard not only displays their user details but also offers essential information, such as the total number of uploads allowed and the remaining upload quota. The Home page serves as the hub for users to easily upload PDF documents they want to assess for accessibility and quality enhancements.

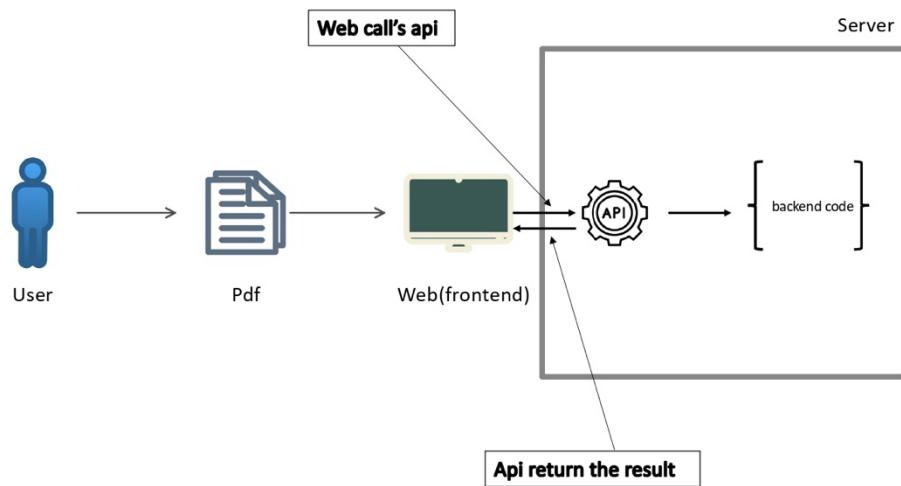
Upon uploading a PDF, users are seamlessly redirected to the Dashboard page. Here, they encounter a treasure trove of data-driven insights presented through visually engaging graphs and charts. These visuals provide vital information about the uploaded document, including font size distribution, color contrast analysis, image resolution statistics, the presence of images, tables, and links within the PDF. Additionally, users can access accessibility compliance reports and word frequency analysis. Armed with this comprehensive data, users can make informed decisions to improve their documents, enhancing accessibility and overall user-friendliness.

In summary, our project's design focuses on creating a user-friendly experience with easy

registration, efficient document upload, and informative data visualization. Whether users are newcomers or returning visitors, our platform offers a seamless journey for evaluating and enhancing PDF documents

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Information Architecture Diagram



User Interface Wireframe(s)/Screenshot(s)

- Color

Primary Color:

Shades of #38761d



Tints of #38761d



Figure 2.00

Secondary Color:

Shades of #3d85c6



Tints of #3d85c6

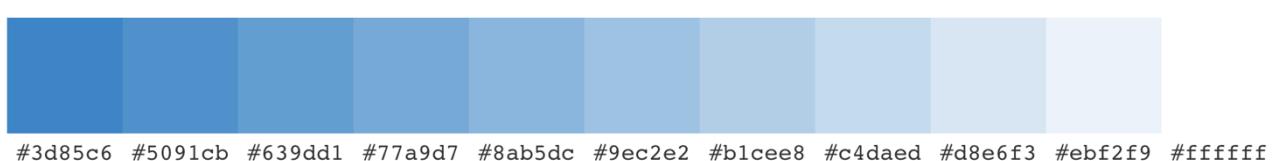


Figure Test2

- Stylesheet

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

<https://quizlet.com/live/2bme7cnioq->



<https://eventspherenotification-uc.a.run.app/>

http://127.0.0.1:8081/event_inputs

- Logo

And



1. Main Page

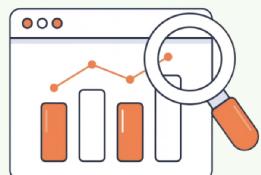
This page is the point of contact to all the users and will give an overview of our portal

The screenshot shows the homepage of the Pdf Analyzer. At the top left is the logo 'Pdf Analyzer' with a green eagle icon. On the right are 'Login' and 'Register' buttons. Below the header is a large section titled 'Unlock the Power of Your PDFs' with a subtext about accessibility analysis. A 'Register Now' button is present. To the right is a graphic of a person interacting with a computer monitor displaying charts and graphs.

Key Features

FAST PROCESSING Efficiently process PDFs of varying sizes, minimizing wait times.	PORTABILITY Allow users to export their analyzed data and	SECURITY Efficiently process PDFs of varying sizes, minimizing wait times	OPERATIONS Efficiently process PDFs of varying sizes, minimizing wait times
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FAST PROCESSING	PORTABILITY	SECURITY	OPERATIONS
Efficiently process PDFs of varying sizes, minimizing wait times for users.	Allow users to export their analyzed data and reports	Efficiently process PDFs of varying sizes, minimizing wait times for users.	Efficiently process PDFs of varying sizes, minimizing wait times for users.

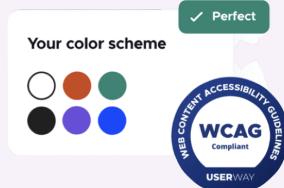


Font Size Analysis:

- Instantly discover font sizes used in your PDF documents.
- Visualize font size distribution across the document.
- Identify inconsistencies in font sizes for a polished look.

Color Palette Analysis:

- Explore the color palette of your PDFs.
- View a breakdown of colors used in charts and graphs.
- Ensure consistent branding with accurate color analysis.





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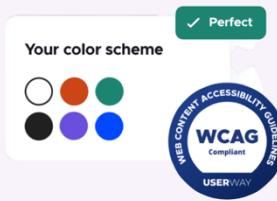
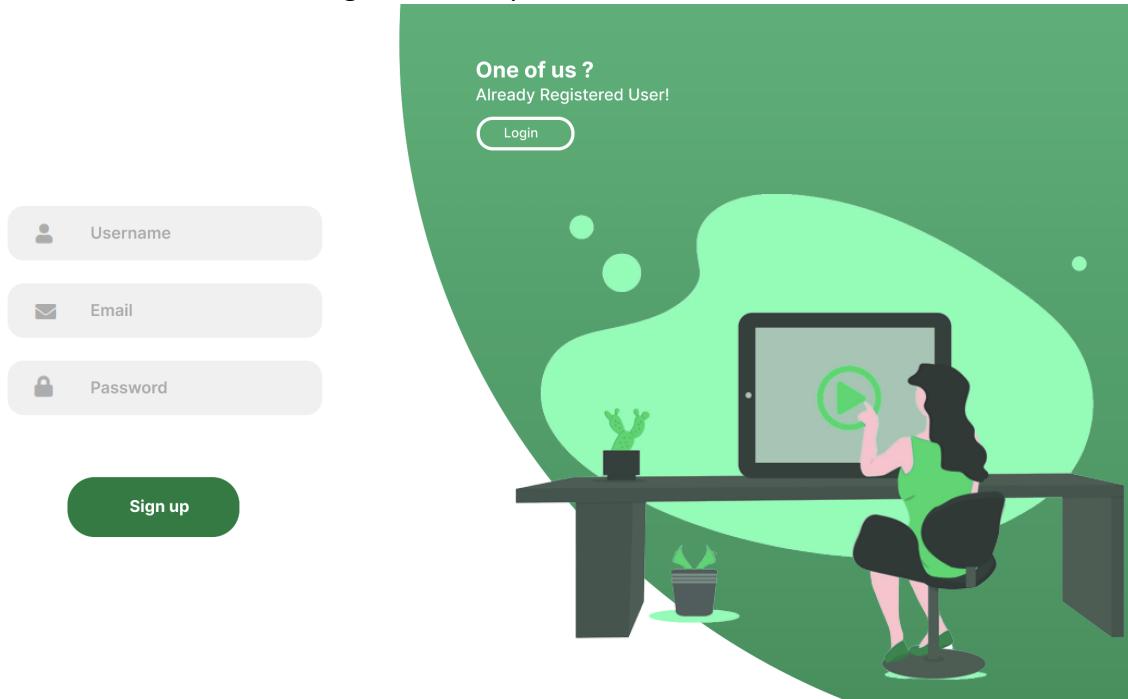


Image Contrast Evaluation:

- Evaluate image contrast and readability.
- Pinpoint areas where text might be hard to read due to poor contrast.
- Enhance document accessibility and user experience.

2. Registration Page

This page will allow all the users to register to our portal.



3. OTP Page

In this page, the user should enter the OTP that is send to registered mail id



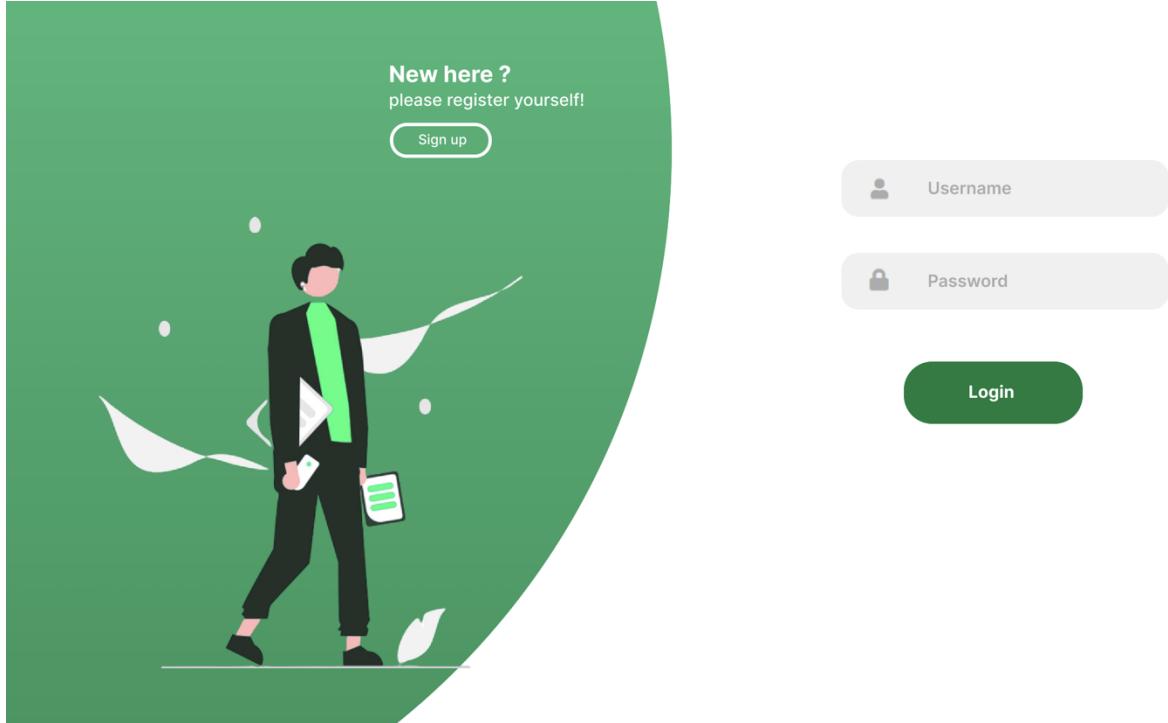
Please enter the one time
password to verify your account

A code has been sent to *****9897

Validate

4. Login Page

After successful Registration, this page is an entry page to the portal that requires user identification.



5. Home

In this page, the user will have the access to upload the PDF for analysis.

The screenshot shows the home page of the Pdf Analyzer application. At the top left is the logo, which is a green stylized bird with the text "Pdf Analyzer" next to it. Below the logo is a horizontal bar with three items: "Total Uploads" (Unlimited), "Uploads Completed" (12), and "Last Visited Date" (27th Sep 2023). The main area features a call-to-action button with the text "Ready to Dive In? Upload Your PDF Now!" and a "Upload File" button with a cloud icon. The background is white with a light gray header and footer bar.

Ready to Dive In? Upload Your PDF Now!

Upload your PDF file to PDF Analyzer and witness the magic of comprehensive analysis. It's quick, easy, and incredibly insightful.

Upload File

6. Dashboard

This page is the dashboard which provides detailed information on font size distribution, color contrast analysis, image resolution statistics, the presence of images, tables, and links within the document, as well as compliance with accessibility standards and a word frequency analysis.



No. of Tables

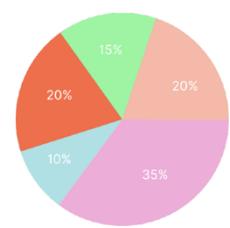
5



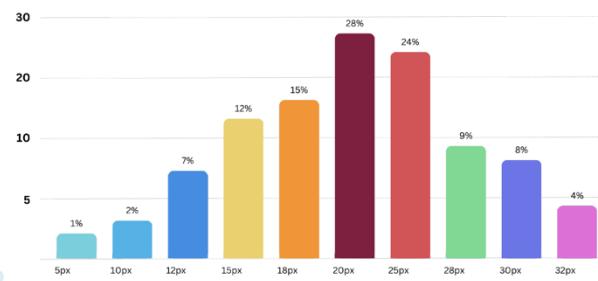
No. of links

10

Color Contrast



Font Size Analysis



Word Frequency

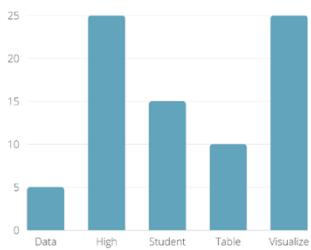


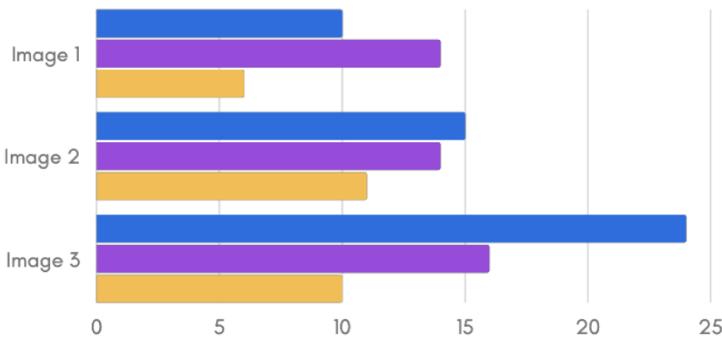
Image content, contrast, and quality

Accessibility

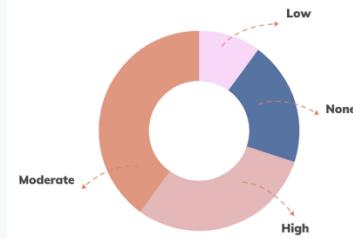
Low



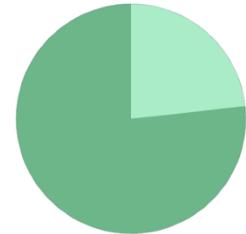
Image content, contrast, and quality



Accessibility



Links analysis



Individual Contributions

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09-28-2023	Class Diagram	Akhila Chintham
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