

# PRODUCT DESIGN

**Project:** Pdf Evaluation

**Team:** 16

**Team Members:**

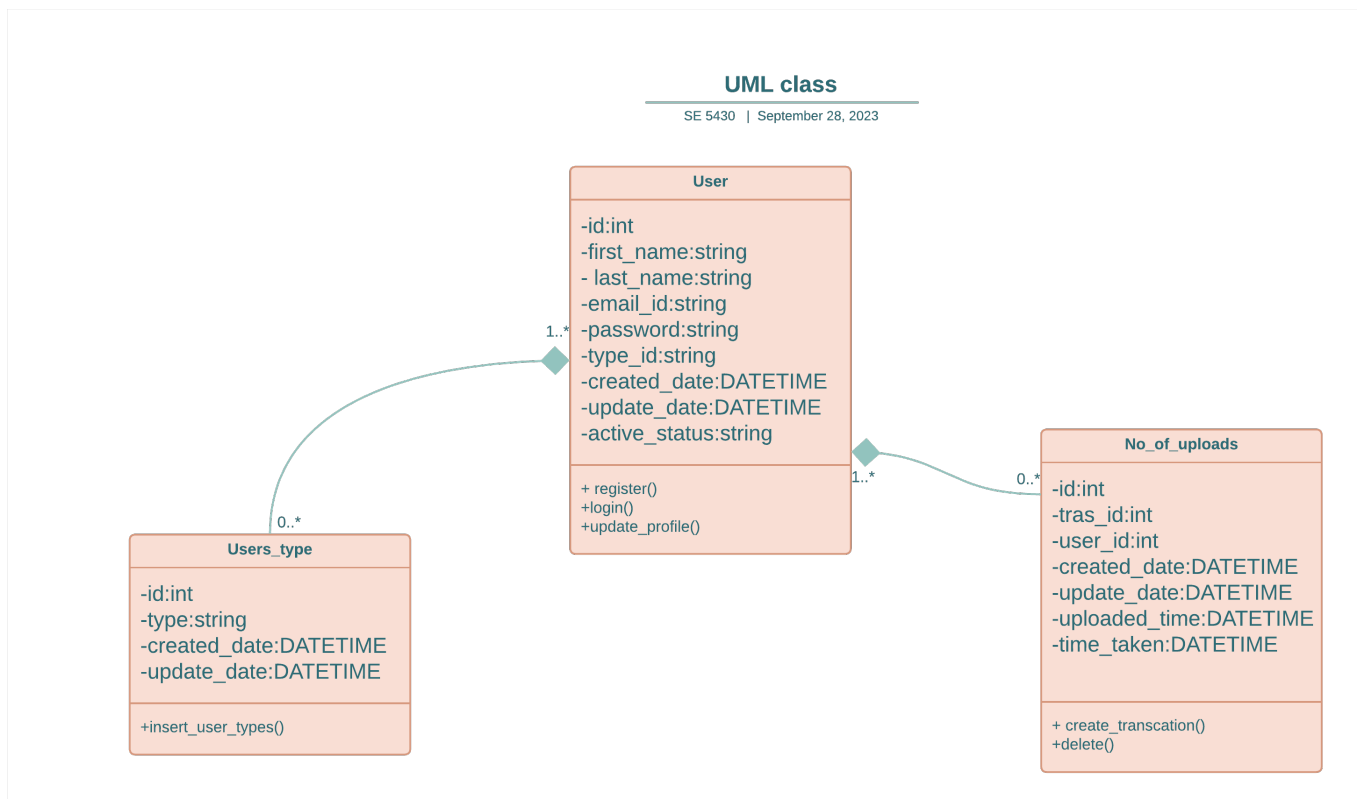
1. Sandeep Kumar Rudhravaram
2. Akhila Chintham

## 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

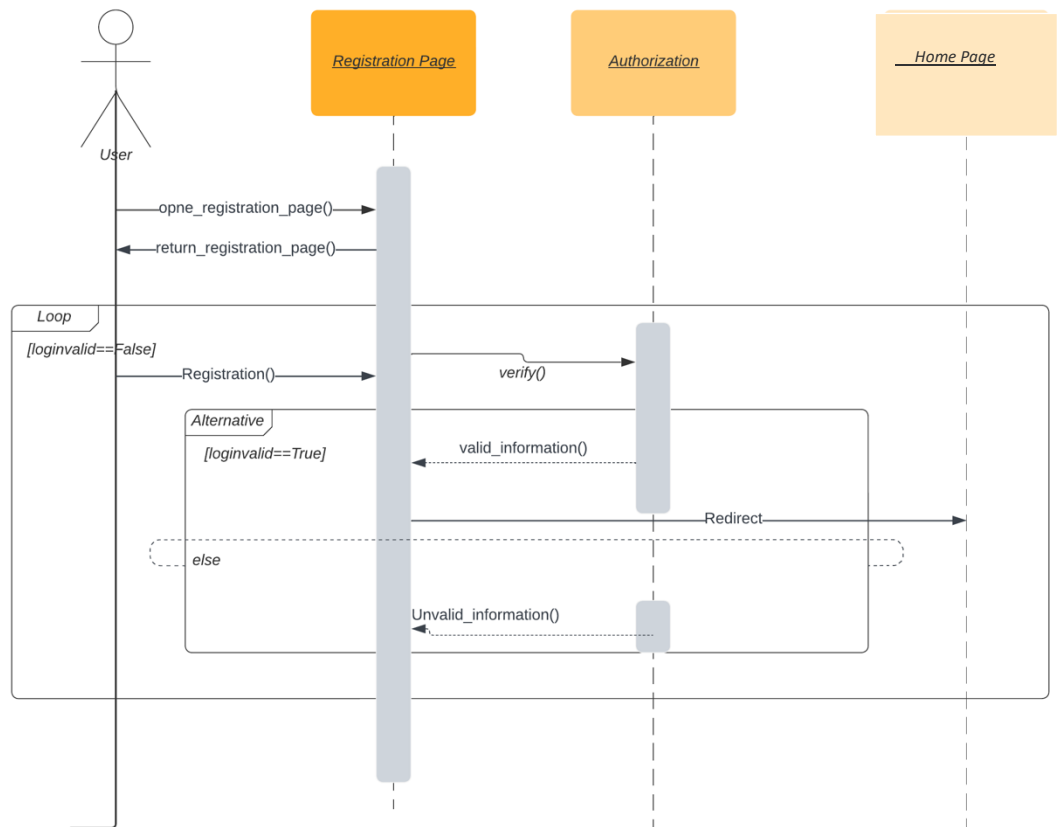
## Class Diagram

- **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



## Sequence diagram1

SE 5430 | September 28, 2023



## Design Rationale

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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

# User Interface Wireframe(s)/Screenshot(s)

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- **Color**

## Primary Color:

Shades of #38761d



#38761d #326a1a #2c5e17 #275214 #214611 #1c3b0e #162f0b #102308 #0b1705 #050b02 #000000

Tints of #38761d



#38761d #4b8333 #5f914a #739f60 #87ac77 #9bba8e #afc8a4 #c3d5bb #d7e3d1 #ebf1e8 #ffffff

## Secondary Color:

Shades of #3d85c6



#3d85c6 #3677b2 #306a9e #2a5d8a #244f76 #1e4263 #18354f #12273b #0c1a27 #060d13 #000000

Tints of #3d85c6



#3d85c6 #5091cb #639dd1 #77a9d7 #8ab5dc #9ec2e2 #b1cee8 #c4daed #d8e6f3 #ebf2f9 #ffffff

### 1. [Main Page](#)

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

[Login](#)[Register](#)

## Unlock the Power of Your PDFs

With our Accessibility Analysis and Visualization feature, you can ensure that your PDF documents are not just informative but also inclusive, meeting the needs of all users, including those with disabilities.

[Register Now](#)

## 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.

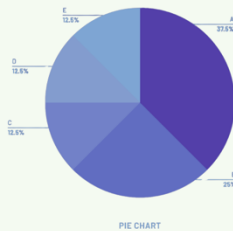
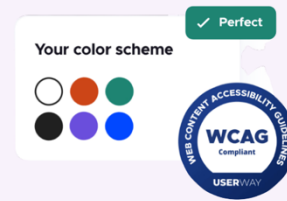


### Font Size Analysis:

- 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.



### Image Contrast Evaluation:

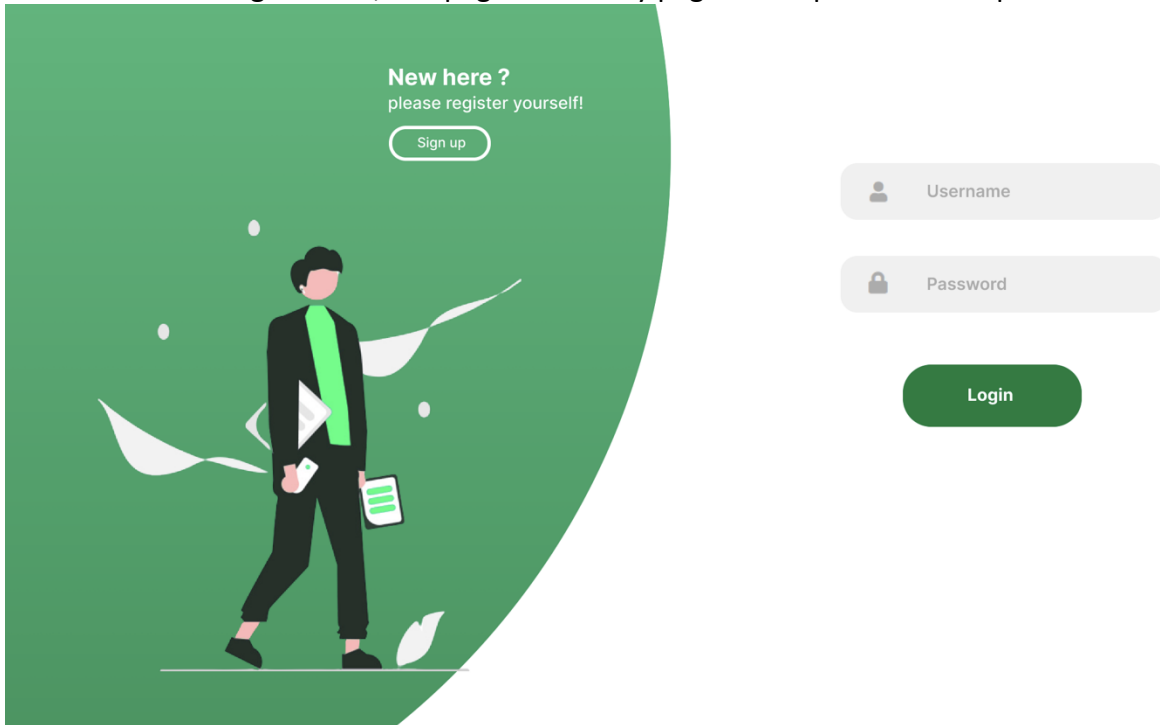
- Evaluate image contrast and readability.
- Pinpoint areas where text might be hard to read due to poor contrast.
- Enhance document accessibility and user experience.



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

### 3. Login Page

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



The login page features a green background on the left with a white curved shape containing an illustration of a person in a black suit and green shirt, holding a folder and a tablet. To the right of the illustration, the text "New here ?" is displayed in bold, followed by "please register yourself!" and a "Sign up" button. On the right side of the page, there are two input fields: "Username" with a person icon and "Password" with a lock icon. Below these fields is a green "Login" button.

New here ?  
please register yourself!

Sign up

Username

Password

Login

## 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.

<https://bard.google.com/chathttps://mail.google.com/mail/u/0/?tab=rm&ogbl#inbox>

[http://127.0.0.1:8081/event\\_inputs](http://127.0.0.1:8081/event_inputs)

## Individual Contributions

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