

# **Segmentation Strategies for Enhancing System Automation**

## **Final Year Project Report**

by

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## Link of GitHub:

[https://github.com/Khadijah1t/Final\\_Year\\_Project](https://github.com/Khadijah1t/Final_Year_Project)

## Link of the prototype:

<https://www.figma.com/design/5kQfrgefUf7ewr3DF24wyE/MyPagesForFyp?node-id=70-516Ct=j8Xu1o1ErX0COpa5-0>

# Help Document for Running and Interacting with the Prototype


## 1. Overview of the Prototype

This prototype is an interface designed for **SegAnalytics**, a platform that provides image segmentation analysis and reports. The prototype allows users to:

- View analysis data on the **Dashboard**.
- **Upload images** for analysis.
- Access **results** of previous uploads.
- Generate and view **reports**.
- Navigate across different pages, such as **About Us, Contact Us, and History**.

## 2. Starting the Prototype

To start using the prototype:

1. Open **Figma** or the platform where the prototype is hosted.
2. Ensure the **Prototype mode** is enabled (click the play  button at the top right in Figma).
3. The interactive preview will load, starting from the **Login page**.
4. Click on elements such as buttons, tabs, and icons to navigate.

## 3. Interaction Sequences

### A. Login Page

1. **Input Fields:** Enter your credentials in the username and password fields.
2. **Login Button:** Click the **Login** button to navigate to the dashboard.

## ***B. Dashboard Page***

1. **Navigation Tabs:** The top tabs include:
  - a. **Dashboard:** Returns you to this page.
  - b. **Analysis:** Redirects to the analysis section.
  - c. **About Us:** Displays information about the platform.
  - d. **Contact Us:** Opens the contact information page.
  - e. **History:** Shows a history of user activities.
2. **Overview Section:**
  - a. Displays cards with total analysis, recent uploads, and completed reports.
3. **Recent Activity Table:**
  - a. The table shows columns for **Date**, **Analysis Type**, and **Status**.
  - b. Scroll or click on rows to view details if implemented.

## ***C. Upload Image Page***

1. **Upload Button:** Click the **Upload Image** button.
2. **File Selection:** Choose an image file from your computer.
3. **Submit:** Click **Submit** to upload the image for analysis.
4. **Feedback:** A confirmation or error message will appear after submission.

## ***D. View Results Page***

1. Click **View Results** in the left-hand navigation bar.
2. Browse the list of previously analyzed images.
3. Click on an image or record to see detailed segmentation results.

## ***E. Reports Page***

1. Click the **Reports** tab from the navigation bar.
2. View completed reports with options to download or share them.

## ***F. Logout***

1. Click the **Logout** icon in the left-hand navigation.
2. The system will log you out and redirect to the **Login page**.

## 4. Navigation Mechanism

- The left-side navigation bar provides quick access to:
  - **Overview**
  - **Upload Image**
  - **View Results**
  - **Reports**
  - **Logout**
- The top navigation tabs allow switching between:
  - Dashboard
  - Analysis
  - About Us
  - Contact Us
  - History
- Interactive buttons, clickable icons, and input fields guide the user throughout the prototype.

## 5. Prototype Limitations

- This prototype is for **visual demonstration** and **navigation flow** only.
- Some buttons and links may not have functional back-end integration.

## 6. Tips for Interacting

- Hover over buttons and tabs to see tooltips or visual feedback where applicable.
- Ensure your browser supports Figma's interactive prototype functionality for the best experience.