



**CSE471: System Analysis and Design
Assignment on Functional Requirements**

Proposed Project Title: AbroadEase

Group No: 05, CSE471 Lab Section: 02, Spring 2025	
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Tech Stack:

- Language: JS
- Framework: MERN
- Styling: Tailwind
- Database: MongoDB
- ORM: Mongoose
- Deployment: Vercel

Functional requirements:

Module 1: User Account and Profile Management

1. **[Safa]**Users can securely sign in and log in, logout to access their tasks and personalized features. Users can sign up or register using their email addresses.
2. **[Jerin]** Users can view and update their profile information, such as name, email, CV, resume. The change password feature allows users to update their login credentials.
3. **[Moumita]**Users can view notification dashboard
4. **[Marium]**View bookmark contents

Module 2: Post guidelines and filtering

1. **[Safa]**Users can get general information (instructions and requirements) regarding **visas** of different countries by using dropdown search for filtering.
2. **[Jerin]**User can get information on how to write **SOP** and different directions and guidelines through posts
3. **[Marium]**Users can give bookmarks for SOP and Visa
4. **[Moumita]**Admin will be able to write posts regarding SOP instructions.
5. **[Moumita]**Admin will write visa guidelines for different countries.
6. **[Jerin]**Admin will be able to update, delete posts regarding visa and SOP.

7. **[Safa]**Users can see universities by filtering universities by location, program, and cost

Module 3: Housing:

1. **[Safa]Filtered Rent Listings:** Users can search rental properties using filters such as price, location, and property type.
2. **[Moumita]Detailed Property Information:** Each listing includes property photos, descriptions, rental terms, and amenities for better decision-making.
3. **[Jerin]Admin-Managed Listings:** Admins can add, update, or remove rental listings and mark properties as rented.
4. **[Marium]New Rent Alerts:** Users receive notifications when new rental options become available in their preferred locations.(using email api)
5. **[Marium]**Users can give bookmarks for housing