

# E-Learning Platform: Software Requirement Specifications

## System users

1. Administrator
2. Mentor
3. Mentee

## Operations

### 1. Administrator

**Role:** The administrator is responsible for managing and overseeing the overall functioning of the mentorship platform. They have privileged access to system controls, user management, content management, and ensuring smooth operations.

#### Capabilities:

- **User Management:** The administrator can add, remove, or modify user accounts, including mentors and mentees.
- **Content Management:** They have the authority to curate and manage study materials, resources, and mock tests available on the platform.
- **Monitoring and Reporting:** The administrator can monitor platform usage, user activities, and generate reports for performance evaluation and improvement.
- **System Configuration:** They can configure system settings, security parameters, and privacy controls to ensure the platform operates efficiently and securely.
- **Troubleshooting:** Administrators are responsible for resolving technical issues, addressing user concerns, and ensuring uninterrupted platform functionality.

### 2. User

**Role:** Users include both mentors and mentees who interact with the platform for mentorship, guidance, and learning resources related to JEE exam preparation.

## Capabilities:

- **Mentorship Interaction:** Users can initiate mentorship sessions, engage in one-on-one discussions with mentors, seek guidance, and clarify doubts.
- **Access to Resources:** Users can access curated study materials, interactive mock tests, and other educational resources relevant to JEE exam preparation.
- **Profile Management:** Users have the ability to create, update, and manage their profiles, including personal information, preferences, and study goals.
- **Feedback Provision:** Users can provide feedback on mentorship sessions, study materials, and overall platform experience to help improve the quality of services.
- **Engagement:** Users can actively participate in platform activities, such as attending live sessions, participating in mock tests, and interacting with peers and mentors.
- **Privacy Controls:** Users can configure privacy settings to manage the visibility of their profiles and control access to personal information.

## 3. User Interface (GUI) Specifications:

- **Home Page:**

1. Clean and minimal layout highlighting key features and functionalities.
2. Navigation menu for easy access to different sections of the platform.
3. Real-time updates section to keep users informed about the latest activities and announcements.

- **Registration/Login Page:**

1. Secure sign-up/login forms with validation checks and error handling.
2. Options for new users to register and existing users to log in with their credentials.

- **Mentor Search and Profile Viewing:**

1. Search bar and filters for users to find mentors based on expertise, availability, etc.
2. Detailed mentor profiles showcasing their qualifications, areas of expertise, availability, and ratings.

- **Study Material Access:**

1. Categorized repository of study materials accessible to users.
2. Options for mentors to recommend specific resources based on mentee needs.

- **Mentorship Session Scheduling:**

1. Calendar interface for scheduling mentorship sessions.
2. Options for users to propose meeting times and send session requests to mentors.
3. Confirmation notifications upon mentor acceptance and reminders before scheduled sessions.

- **Feedback and Rating System:**

1. User-friendly interface for providing feedback on mentorship sessions and overall platform experience.
2. Rating system with stars or numerical ratings for users to evaluate mentor performance.

#### **4. Functions:**

- **Top-tier Guidance:** Connects JEE aspirants with experienced mentors who are graduates from prestigious IITs to provide expert guidance and valuable insights crucial for excelling in JEE exams.
- **Comprehensive Study Material:** Offers a diverse range of curated study materials covering the extensive syllabi of JEE, ensuring accessibility to essential resources required for thorough preparation.
- **Interactive Mock Tests:** Develops and implements a series of interactive mock tests on the website to simulate exam conditions, enabling aspirants to practice and refine their exam-taking strategies.
- **Personalized Mentorship:** Establishes a personalized mentorship program, facilitating one-on-one interactions between mentors and aspirants to address queries, provide motivation, and offer tailored guidance.
- **Empower Aspirants:** Equips aspirants with a structured roadmap, resources, and support necessary to enhance their confidence, competency, and overall performance in JEE exams.
- **Promote Academic Excellence:** Strives to foster a culture of academic excellence by not only offering guidance but also fostering an environment that inspires aspirants to strive for their best and achieve academic success in JEE examinations.