

RateMySchool

User requirement specification



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1. Introduction

The RateMySchool Forum is a web application that allows users to rate and review different schools. The application aims to provide a platform for users to share their opinions and experiences about schools they have attended or are considering attending. This document outlines the requirements for the application.

2. Functional Requirements

2.1. User Management

- FR-01-U:* Users can create an account with a unique username, email, salt, hash and age.
- FR-02-U:* Users can log in to their account.
- FR-03-U:* Users can view their profile information.
- FR-04-U:* Users can edit their profile information.
- FR-05-U:* Users can delete their account.

2.2. School Management

- FR-11-S:* Schools can be added to the system by admin users.
- FR-12-S:* Schools can be edited by admin users.
- FR-13-S:* Schools can be deleted by admin users.
- FR-14-S:* Schools have a name, city as location, unique number for the city, focus and level of study and rating.

2.3. Rating and Review Management

- FR-21-R:* Users can rate schools.
- FR-22-R:* Users can review schools.
- FR-23-R:* Users can view ratings and reviews for schools.
- FR-24-R:* The School's rating is calculated on the system as the average of all user ratings.
- FR-25-R:* Users can report inappropriate posts.
- FR-26-R:* Admin users can review and manage reported posts.

3. Non-Functional Requirements

3.1. Usability

The interface should be easy to use and intuitive.

3.2. Security

The system should have user authentication and authorization mechanisms to prevent unauthorized access. User data should be stored securely. Interaction with the database directly should be restricted to admin users only.

4. Use Cases

4.1. User Management and Authentication

Use Case: Registration as a new user

Actor: Web Client

Id: **UC-01-U**

Main Success Scenario:

1. Actor requests registering as new user for the system
2. Actor fills form with unique data requested by the system
3. System confirms the registration was successful

Extensions:

2. Actor does not fill in the unique data into the requested by the system form
 1. The incorrect input fields are highlighted and alerted as such
 2. Return to MSS step 4
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Use Case: Logging in

Actor: Web Client

Id: **UC-02-U**

Pre-Condition: Actor must have already registered as a user

Main Success Scenario:

1. Actor requests logging in
2. System requests from the actor to fill in form with his email and password credentials
3. Actor submits the form as completed
4. System verifies submitted credentials
5. System confirms credential correctness and allows login in

Extensions:

8. Actor fills in incorrect credentials
 1. The incorrect input fields are highlighted and alerted as such
 2. System rejects actors attempt to log in
 3. Return to MSS step 2
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Use Case: Viewing personal information

Actor: Web Client

Id: **UC-03-U**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor requests to view his personal information

2. System provides all personal information of the actor
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Use Case: Editing personal information

Actor: Web Client

Id: **UC-04-U**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor fills in modification form of his personal information that is requested by the system
2. Actor submits the form with the modified data.
3. System confirms the modification

Extensions:

2. Actor submits the form with the same data
 1. Actor is alerted for his behavior
 2. Return to MSS step 1
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Use Case: Deleting user's account

Actor: Web Client

Id: **UC-05-U**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor request account removal by the system
 2. System confirms account removal without deleting his ratings and reviews
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Use Case: Logging in as Admin

Actor: Desktop Client

Id: **UC-06-U**

Pre-Condition: Actor must have his admin credentials

Main Success Scenario:

1. Actor requests logging in
2. System requests from the actor to fill in form with his admin password credential
3. Actor submits the form as completed
4. System verifies submitted credential
5. System confirms credential correctness and allows login in

Extensions:

2. Actor fills in incorrect credentials
 1. The incorrect input fields are alerted as such
 2. System rejects actors attempt to log in
 3. Return to MSS step 2

4.2. School Management

Use Case: Adding school to the system

Actor: Desktop Client

Id: **UC-11-S**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor requests adding new record
2. System requests from the actor to fill in form data for the record
3. Actor submits the form as completed
4. System verifies form data and its uniqueness where needed
5. System confirms correctness of form data and saves(adds) the record

Extensions:

2. Actor fills in incorrect and/or missing form data fields
 1. The incorrect and/or missing input fields are alerted as such
 2. System rejects actors attempt to add a record
 3. Return to MSS step 2
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Use Case: Editing school from the system

Actor: Desktop Client

Id: **UC-12-S**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor requests editing already existing record
2. System requests from the actor to fill in modified form data for the record
3. Actor submits the form as completed
4. System verifies form data and its uniqueness where needed
5. System confirms correctness of form data and updates the record

Pre-Condition: **UC-11-S** Extensions apply

Use Case: Deleting school from the system

Actor: Web Client

Id: **UC-13-U**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor request record removal by the system
2. System confirms record removal with deleting its reviews

4.3. School Interaction

- User rates a school
- User writes a review for a school
- User edits a review for a school
- User reports a review as inappropriate
- Admin reviews and removed reported reviews.
- User searches for school
 - Main success scenario - school is found
 - latest school details will be displayed
 - Extension - school is not found
 - an NOT_FOUND error or respective message will be displayed
- User views school details
- User views ratings for a school
- User views reviews for a school