

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

All of the listed requirements are must have by priority. (MoSCow method)

2.1. User Management

- FR-01-U:* Users can register with a new account with an email, hashed password and birth year.
- FR-02-U:* Users can log in to their account.
- FR-03-U:* Users can view their profile information.
- FR-04-U:* Users can delete their account.

2.2. School Management

- FR-01-S:* Schools can be added to the system by admin users.
- FR-02-S:* Schools can be edited by admin users.
- FR-03-S:* Schools can be deleted by admin users.
- FR-04-S:* Schools have a name, city as location, unique number for the city, and specific fields for different types.

2.3. Rating and Review Management

- FR-01-R:* Users can review schools.
- FR-02-R:* Users can view reviews with rating and general information for schools.
- FR-21-R:* The School's rating is calculated on the system on each page load
- FR-03-R:* Users can report inappropriate reviews.
- FR-04-R:* Admin users can delete reported reviews.
- FR-05-R:* Admin users can delete reviews.

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 user for the system
2. System requests from the actor to fill in a form with email, password and birth year.
3. Actor fills form with unique data requested by the system
4. System confirms the registration was successful

Extensions:

- 3a. 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 2
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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 confirms the login was successful

Extensions:

- 3a. Actor fills in incorrect credentials
 1. The incorrect input fields are highlighted and alerted as such
 2. 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 displays all personal information of the actor
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Use Case: Deleting user's account

Actor: Web Client

Id: **UC-04-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

4.2. School Management

Use Case: Adding school to the system

Actor: Desktop Client

Id: **UC-01-S**

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 confirms correctness of form data and saves(adds) the record

Extensions:

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

Actor: Desktop Client

Id: **UC-02-S**

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 confirms correctness of form data and updates the record

Pre-Condition: **UC-01-S** Extensions apply

Use Case: Deleting school from the system

Actor: Web Client

Id: **UC-03-S**

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

Use Case: Viewing information for school

Actor: Web Client

Id: **UC-01-R**

Main Success Scenario:

1. Actor requests to view information for specific school
2. System calculates statistics based on reviews
3. System displays all information of the school

Extensions:

- 1a. Actor request information for non-existent school
 1. Actor is redirected and warned
 2. Return to MSS step 1
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Use Case: Rating school

Actor: Web Client

Id: **UC-02-R**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor requests adding new review
2. System requests from the actor to fill in form data for the review
3. Actor submits the form as completed including rating
4. System confirms correctness of form data and saves(adds) the review

Extensions:

- 3a. Actor fills in incorrect and/or missing form data fields
 3. The incorrect and/or missing input fields are alerted as such
 4. Return to MSS step 2
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Use Case: Reporting a review

Actor: Web Client

Id: **UC-03-R**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor requests reporting specific review
2. System requests from the actor to fill in form data for the report
3. Actor submits the form as completed
4. System confirms correctness of form data and saves(adds) the report

Extensions:

- 3a. Actor fills in incorrect and/or missing form data fields
 5. The incorrect and/or missing input fields are alerted as such
 6. Return to MSS step 2
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Use Case: Deleting reported review in the system

Actor: Desktop Client

Id: **UC-04-R**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

1. Actor request deletion of specific reported review that is reported by the system
 2. System confirms deletion of the reported review and deletion of its report
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Use Case: Deleting review in the system

Actor: Desktop Client

Id: **UC-05-R**

Pre-Condition: Actor must have already be logged in

Main Success Scenario:

3. Actor request deletion of specific review by the system
4. System confirms deletion of the review