Forms and Reports for Adventure Map Web Application

The Adventure Map web application will require various forms for user interactions, data input, and system management, as well as reports to present key data, performance metrics, and user achievements. Here’s an overview of essential forms and reports:

Forms:

1. User Registration Form

Purpose: Allows users to sign up and create a profile.

Fields:

Username

Email Address

Password (with confirmation)

Profile Picture (optional)

Actions:

Submit (to create a new user account)

Reset (to clear the form fields)

2. User Login Form

Purpose: Allows users to log into the application.

Fields:

Email or Username

Password

Actions:

Submit (to log in)

Forgot Password (link to password recovery)

3. Profile Update Form

Purpose: Enables users to update their profile information.

Fields:

Username

Email Address

Profile Picture

Change Password (optional)

Actions:

Save Changes (to update profile)

Cancel (to discard changes)

4. Check-In Form

Purpose: Allows users to check in at a specific location.

Fields:

Location Name (auto-populated or selected via map)

Coordinates (auto-filled by map, optional manual input)

Comments (optional)

Actions:

Check-In (to submit check-in)

Cancel (to discard the check-in)

5. Create Challenge Form (Admin)

Purpose: Admins can create new challenges for users.

Fields:

Challenge Name

Description

Challenge Type (e.g., location-based, task-based)

Start Date and End Date

Reward (Badge or Points)

Challenge Criteria (optional)

Actions:

Create Challenge (to add a new challenge)

Reset (to clear the form)

6. Badge Award Form (Admin)

Purpose: Admins can create and define new badges that users can earn.

Fields:

Badge Name

Description

Badge Image (upload or URL)

Badge Criteria (e.g., task completion, location visits)

Points Reward

Actions:

Create Badge (to add the badge to the system)

Reset (to clear the form)

Reports:

1. User Profile Report

Purpose: Displays detailed information about a specific user’s activity.

Contents:

User ID, Username, Email

Total Points Earned

Badges Earned (with dates)

Challenges Completed

Recent Check-Ins (location names, dates)

Filters:

Date Range (for check-ins and challenges)

2. Leaderboard Report

Purpose: Presents the ranking of top users based on total points.

Contents:

Rank

Username

Total Points

Badges Earned

Filters:

Time Period (daily, weekly, monthly)

Region or Location (optional)

3. Badges Earned Report

Purpose: Shows a summary of badges earned by users over a certain period.

Contents:

Badge Name

Number of Users Who Earned It

Date Earned

Points Awarded

Filters:

Date Range (to show badges earned during specific periods)

Badge Name (optional)

User (optional)

4. Challenges Completed Report

Purpose: Lists all the challenges completed by users and their rewards.

Contents:

Challenge Name

Number of Users Who Completed the Challenge

Badge/Points Reward

Completion Date

Filters:

Challenge Name (optional)

Completion Status (completed, in progress)

Date Range (optional)

5. Check-In Activity Report

Purpose: Tracks users' check-ins across various locations.

Contents:

Username

Location Name

Check-In Date

Points Awarded

Filters:

Date Range

Location Name (optional)

User (optional)

6. Admin Activity Report

Purpose: Summarizes the administrative actions taken on the system, such as creating badges, challenges, or managing users.

Contents:

Admin Name

Action (e.g., created a badge, updated a challenge)

Date and Time of Action

Filters:

Date Range

Action Type (badge creation, challenge modification, etc.)

Additional Reports:

7. System Usage Report

Purpose: Provides insights into overall system usage and user engagement.

Contents:

Total Users Registered

Active Users (based on recent check-ins or challenges completed)

Total Check-Ins, Challenges Completed, Badges Earned

Peak Activity Times (days and hours)

Filters:

Date Range

User Activity (check-ins, challenges, etc.)

These forms and reports will help facilitate user interactions and provide insights into user behavior, system performance, and achievements. Let me know if you need further details or adjustments for specific forms or reports!