# Requirements Document

By **function** Developer Team

## Goals and Context

Our goal is to create people management system for FUTURE program participants. The features implemented are expected to help Blibli.com and each participant get coordinated better.

## User Personas

The following are the five key user personas that will use **function** app.

### Administrator

|  |  |
| --- | --- |
| User Type | Internal |
| Occupation | Blibli.com Staff (HR,Tech) |
| Objective | To have complete authority over the application, including CRUD operations for all features. |

### Judge

|  |  |
| --- | --- |
| User Type | Internal |
| Occupation | Blibli.com Staff (Tech) |
| Objective | To assess participants, mainly when final judging is in execution. In addition, judge can view activities by mentor and student, but with less authority compared to administrator. |

### Mentor

|  |  |
| --- | --- |
| User Type | Internal |
| Occupation | Blibli.com Staff (HR, Tech) |
| Objective | To monitor mentored students’ activities and to train them to get better at technical or non-technical skills. |

### Student

|  |  |
| --- | --- |
| User Type | Internal |
| Occupation | FUTURE Program Participant |
| Objective | To communicate, exercise, learn, and report anything related to his/her progress to all parties involved. |

### Guest

|  |  |
| --- | --- |
| User Type | External |
| Occupation | Anyone |
| Objective | To see sticky notes, announcements, and activity blogs without having to log in (if he/she has registered account). |

## User Stories

### Admin

1. Core
   1. As an Admin, I want to be able to log in, log out, view my profile, and change my password.
   2. As an Admin, I want to be able to have **CRUD** operation for all users.
   3. As an Admin, I want to be able to have **CRUD** operation for all batches.
   4. As an Admin, I want to be able to have **CRUD** operation for all sticky notes.
   5. As an Admin, I want to be able to have **CRUD** operation for all announcements.
   6. As an Admin, I want to be able to have **CRUD** operation for all activity blogs.
   7. As an Admin, I want to be able to have **CRUD** operation for all courses and discussions.
   8. As an Admin, I want to be able to have **CRUD** operation for all files uploaded.
2. Scoring
   1. As an Admin, I want to be able to have **CRUD** operation for all question banks.
   2. As an Admin, I want to be able to have **CRUD** operation for all questions in question banks.
   3. As an Admin, I want to be able to have **CRUD** operation for all quizzes.
   4. As an Admin, I want to be able to have **CRUD** operation for all assignments.
   5. As an Admin, I want to be able to have **CRUD** operation for all final judging.
3. Communication
   1. As an Admin, want to able to have **CRUD** operations for all questionnaire
   2. As an Admin, want to able to have **R** operations for all questionnaire results
   3. As an Admin, want to able to have **R** operation for all logging room
   4. As an Admin, I want to be able to have **R** operation for log messages
   5. As an Admin, I want to be able to have **CRUD** operation for all chatroom
   6. As an Admin, I want to be able to have **CRUD** operation for all reminders
   7. As an Admin, I want to be able to have **R** operation for notifications

### Judge

1. Core
   1. As a Judge, I want to be able to log in, log out, view my profile, and change my password.
   2. As a Judge, I want to be able to have **R** operation for all batches
   3. As a Judge, I want to be able to have **R** operation for all sticky notes.
   4. As a Judge, I want to be able to have **R** operation for all announcements.
   5. As a Judge, I want to be able to have **CRUD** operation for my activity blogs.
   6. As a Judge, I want to be able to have **CRUD** operation for all courses and **CR** operation for discussions.
   7. As a Judge, I want to be able to have **CRUD** operation for my files.
2. Scoring.
   1. As a Judge, I want to be able to have **CR** operation for all assignments.
   2. As a Judge, I want to be able to have **CR** operation for all final judging.
3. Communication
   1. As a Judge, I want to be able to have **CRUD** operation for all chatroom
   2. As a Judge, I want to be able to have **R** operation for notifications

### Mentor

1. Core
   1. As a Mentor, I want to be able to log in, log out, view my profile, and change my password.
   2. As a Mentor, I want to be able to have **R** operation for all batches
   3. As a Mentor, I want to be able to have **R** operation for all sticky notes.
   4. As a Mentor, I want to be able to have **R** operation for all announcements.
   5. As a Mentor, I want to be able to have **CRUD** operation for my activity blogs.
   6. As a Mentor, I want to be able to have **CRUD** operation for all courses and **CR** operation for discussions.
   7. As a Mentor, I want to be able to have **CRUD** operation for my files.
2. Scoring
   1. As a Mentor, I want to be able to have **CR** operation for all assignments.
   2. As an Admin, I want to be able to have **R** operation for all final judging.
3. Communication
   1. As a Mentor, I want to be able to have **C** operation for questionnaire Response
   2. As a Mentor, I want to be able to have **CRUD** operation for all logging room
   3. As a Mentor, I want to be able to have **R** operation for log messages
   4. As a Judge, I want to be able to have **CRUD** operation for all chatroom
   5. As a Judge, I want to be able to have **R** operation for notifications

### Student

1. Core
   1. As a Student, I want to be able to log in, log out, view my profile, and change my password.
   2. As a Student, I want to be able to have **R** operation for all sticky notes.
   3. As a Student, I want to be able to have **R** operation for all announcements.
   4. As a Student, I want to be able to have **CRUD** operation for my activity blogs.
   5. As a Student, I want to be able to have **R** operation for courses shared with my batch.
   6. As a Student, I want to be able to have **CR** operation for discussions in courses shared with my batch.
   7. As a Student, I want to be able to have **CRUD** operation for my files.
2. Scoring
   1. As a Student, I want to be able to have **CR** operation for my quizzes.
   2. As a Student, I want to be able to have **CR** operation for my assignments.
   3. As a Student, I want to be able to have **R** operation for my points summary.
3. Communication
   1. As a Student, I want to be able to have **C** operation for questionnaire Response
   2. As a Student, I want to be able to have **R** operation for all logging room
   3. As a Student, I want to be able to have **CR** operation for log messages
   4. As a Judge, I want to be able to have **CRUD** operation for all chatroom
   5. As a Judge, I want to be able to have **R** operation for notifications

## Non-Functional Requirements

1. The application must be available in Github in private repository.
2. The application must pass unit testing 90% coverage for backend, 93% for frontend.
3. In UI, the application is allowed to use libraries for Vue application.