

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.

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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

A. Core

- As an Admin, I want to be able to log in, log out, view my profile, and change my password.
- As an Admin, I want to be able to have **CRUD** operation for all users.
- As an Admin, I want to be able to have **CRUD** operation for all batches.
- As an Admin, I want to be able to have **CRUD** operation for all sticky notes.
- As an Admin, I want to be able to have **CRUD** operation for all announcements.
- As an Admin, I want to be able to have **CRUD** operation for all activity blogs.

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- g. As an Admin, I want to be able to have **CRUD** operation for all courses and discussions.
- h. As an Admin, I want to be able to have **CRUD** operation for all files uploaded.
- B. Scoring
 - a. As an Admin, I want to be able to have **CRUD** operation for all question banks.
 - b. As an Admin, I want to be able to have **CRUD** operation for all questions in question banks.
 - c. As an Admin, I want to be able to have **CRUD** operation for all quizzes.
 - d. As an Admin, I want to be able to have **CRUD** operation for all assignments.
 - e. As an Admin, I want to be able to have **CRUD** operation for all final judging.
- C. Communication
 - a. As an Admin, want to able to have **CRUD** operations for all questionnaire
 - b. As an Admin, want to able to have **R** operations for all questionnaire results
 - c. As an Admin, want to able to have **R** operation for all logging room
 - d. As an Admin, I want to be able to have **R** operation for log messages
 - e. As an Admin, I want to be able to have **CRUD** operation for all chatroom
 - f. As an Admin, I want to be able to have **CRUD** operation for all reminders
 - g. As an Admin, I want to be able to have **R** operation for notifications

Judge

- A. Core
 - a. As a Judge, I want to be able to log in, log out, view my profile, and change my password.
 - b. As a Judge, I want to be able to have **R** operation for all batches
 - c. As a Judge, I want to be able to have **R** operation for all sticky notes.
 - d. As a Judge, I want to be able to have **R** operation for all announcements.
 - e. As a Judge, I want to be able to have **CRUD** operation for my activity blogs.
 - f. As a Judge, I want to be able to have **CRUD** operation for all courses and **CR** operation for discussions.
 - g. As a Judge, I want to be able to have **CRUD** operation for my files.
- B. Scoring.
 - a. As a Judge, I want to be able to have **CR** operation for all assignments.
 - b. As a Judge, I want to be able to have **CR** operation for all final judging.
- C. Communication
 - a. As a Judge, I want to be able to have **CRUD** operation for all chatroom
 - b. As a Judge, I want to be able to have **R** operation for notifications

Mentor

- A. Core
 - a. As a Mentor, I want to be able to log in, log out, view my profile, and change my password.
 - b. As a Mentor, I want to be able to have **R** operation for all batches
 - c. As a Mentor, I want to be able to have **R** operation for all sticky notes.
 - d. As a Mentor, I want to be able to have **R** operation for all announcements.
 - e. As a Mentor, I want to be able to have **CRUD** operation for my activity blogs.
 - f. As a Mentor, I want to be able to have **CRUD** operation for all courses and **CR** operation for discussions.
 - g. As a Mentor, I want to be able to have **CRUD** operation for my files.

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B. Scoring

- a. As a Mentor, I want to be able to have **CR** operation for all assignments.
- b. As an Admin, I want to be able to have **R** operation for all final judging.

C. Communication

- a. As a Mentor, I want to be able to have **C** operation for questionnaire Response
- b. As a Mentor, I want to be able to have **CRUD** operation for all logging room
- c. As a Mentor, I want to be able to have **R** operation for log messages
- d. As a Judge, I want to be able to have **CRUD** operation for all chatroom
- e. As a Judge, I want to be able to have **R** operation for notifications

Student

A. Core

- a. As a Student, I want to be able to log in, log out, view my profile, and change my password.
- b. As a Student, I want to be able to have **R** operation for all sticky notes.
- c. As a Student, I want to be able to have **R** operation for all announcements.
- d. As a Student, I want to be able to have **CRUD** operation for my activity blogs.
- e. As a Student, I want to be able to have **R** operation for courses shared with my batch.
- f. As a Student, I want to be able to have **CR** operation for discussions in courses shared with my batch.
- g. As a Student, I want to be able to have **CRUD** operation for my files.

B. Scoring

- a. As a Student, I want to be able to have **CR** operation for my quizzes.
- b. As a Student, I want to be able to have **CR** operation for my assignments.
- c. As a Student, I want to be able to have **R** operation for my points summary.

C. Communication

- a. As a Student, I want to be able to have **C** operation for questionnaire Response
- b. As a Student, I want to be able to have **R** operation for all logging room
- c. As a Student, I want to be able to have **CR** operation for log messages
- d. As a Judge, I want to be able to have **CRUD** operation for all chatroom
- e. 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.