SOFTWARE ENGINEERING

FINAL PROJECT REPORT



INDIAN INSTITUTE OF TECHNOLOGY, MADRAS

SUBMITTED IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS OF THE COURSE:

BSCSS3001: Software Engineering

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Identifying the various types of Users

Primary Users:

- Students
- Support Teams

Secondary Users:

• IIT Madras B.S Degree Administration

Tertiary Users:

- A deep learning model can be trained on this dataset to answer questions using NLP.
- Data Analytics Team

User Stories for the identified users:

Primary User: Student

 As a student, I want to be able to create new ticket so that I can solve my problems. • As a student, I want to be able to search for similar tickets before

creating a new one so that my answers so that I can know the

answer of doubt if it is already answered.

• As a student, I want to be able to like (+1) an existing ticket if it's

similar to the concern or query I have, so that the support team can

prioritize the frequently asked concerns.

• As a student, I want to be able to see the current status of my ticket

and solutions given by the support team so that I can get updates on

the progress of my query.

• As a student, I want to be able to see the history of my previous

tickets so that I can keep track of my old queries.

• As a student, I should be able to mark my queries as operational or

course related so that it would be helpful for the support team.

Primary User: Support team

As a support team member, I want to be able to see a sorted list of

all the support tickets filtered by upvotes and last update so that I

can respond to them in a timely manner.

 As a support team member, I want to be able to change the status of a support ticket so that the ticket is updated.

 As a support team member, I want to redirect the queries to the appropriate team member so that they can resolve the queries efficiently.

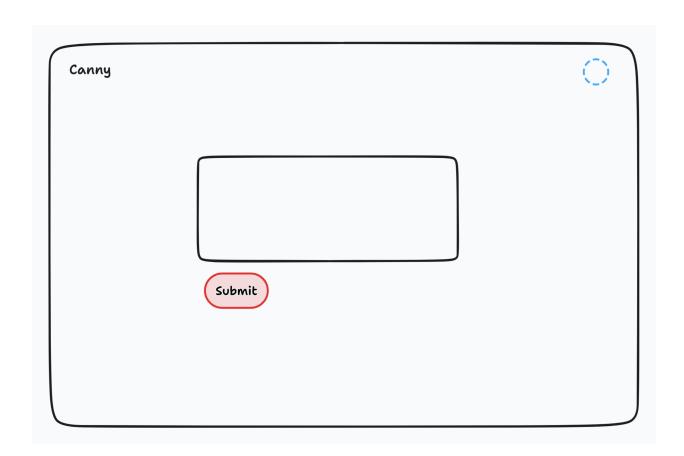
Secondary User: Administration

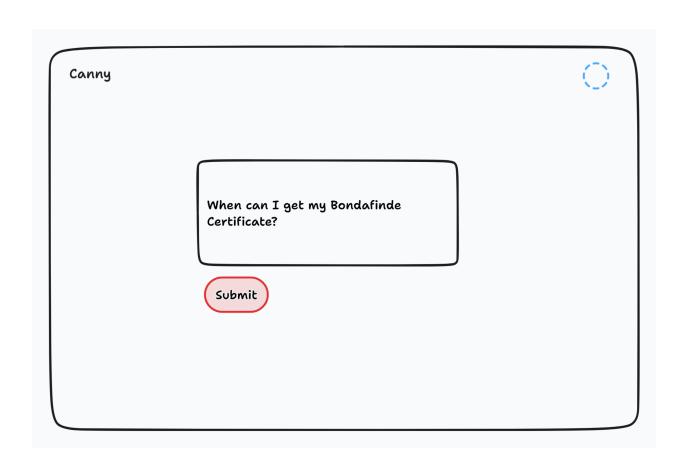
 As an administrator, I want to be able to see the history of support tickets arranged by upvotes and time so that I can understand the queries of the students.

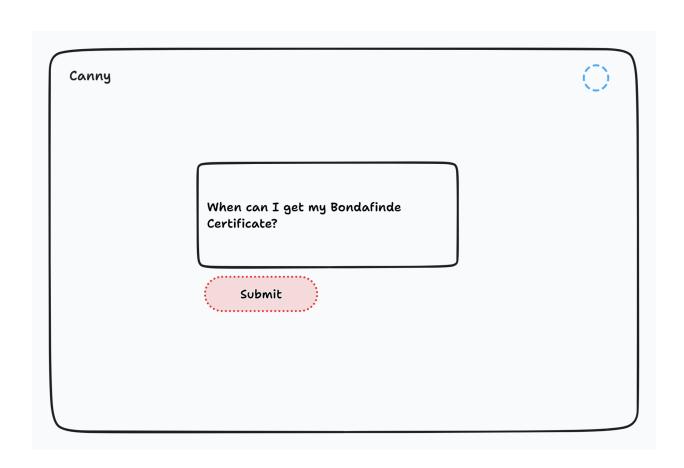
- As an administrator, I want to be able to assign different team members to different support teams so that they will be able to see only the tickets assigned to them.
- As an administrator, I want to manage the FAQ section, so that students have access to up-to-date information about common concerns and queries.
- As an administrator, I want to be able to enroll a support team to the
 portal directly using their email IDs so that they can use the portal
 to resolve queries.

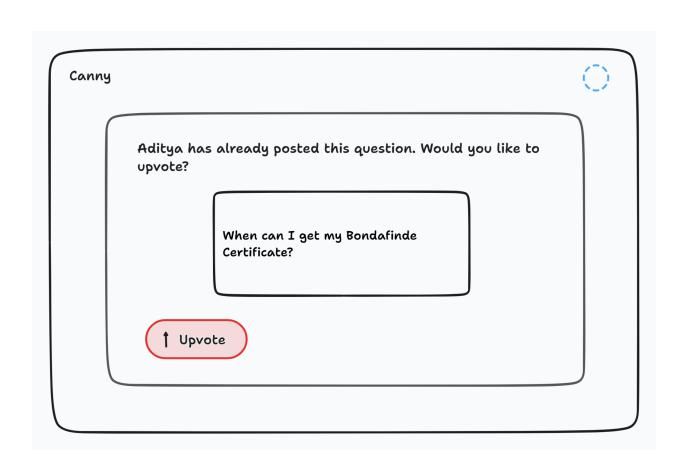
MILESTONE 2

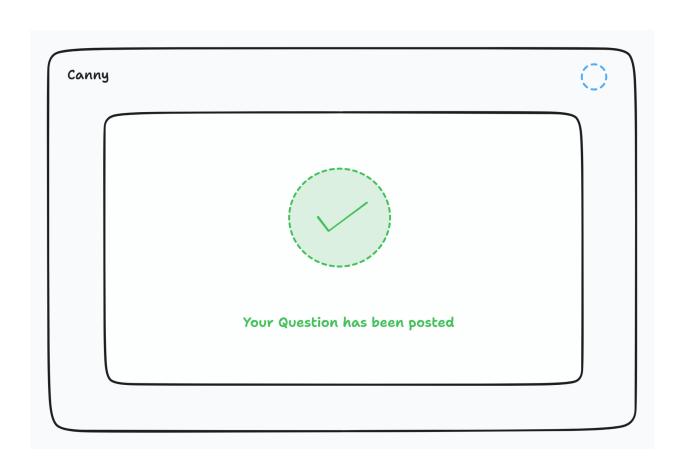






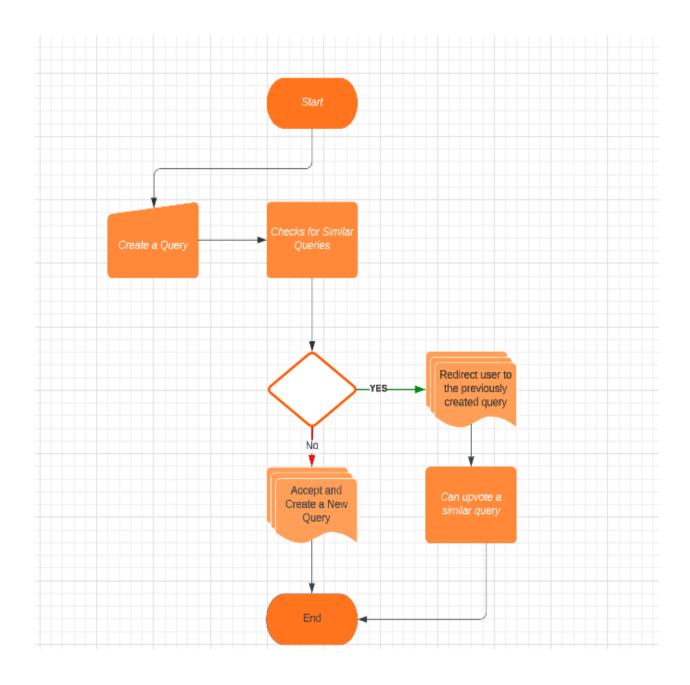




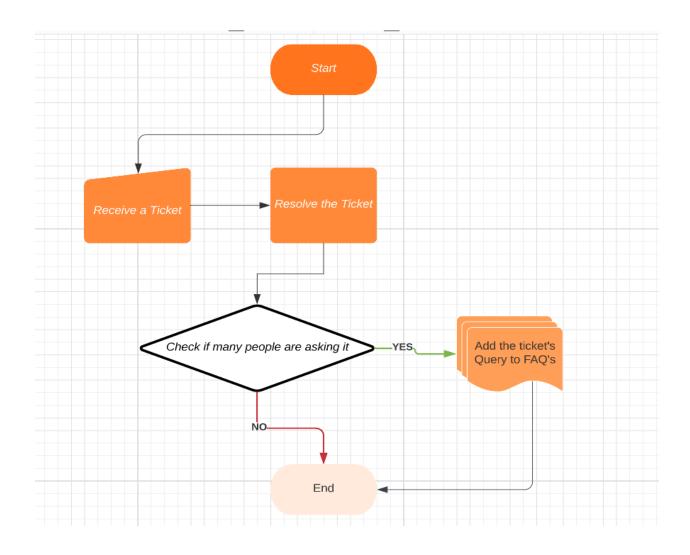


MILESTONE 3

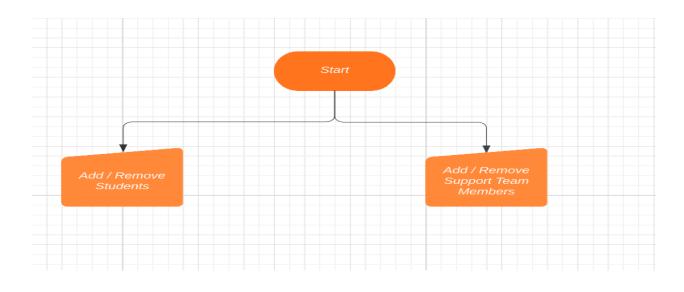
User Flow Diagrams



Student User Flow

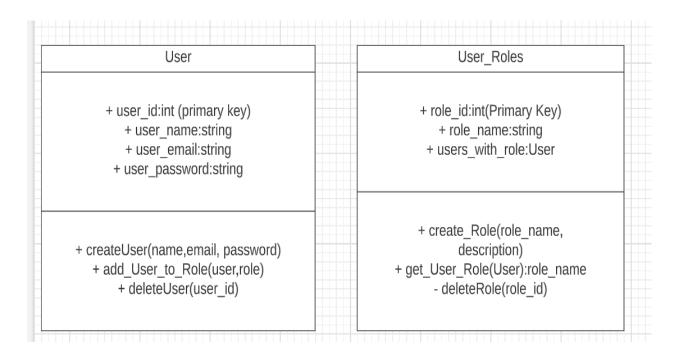


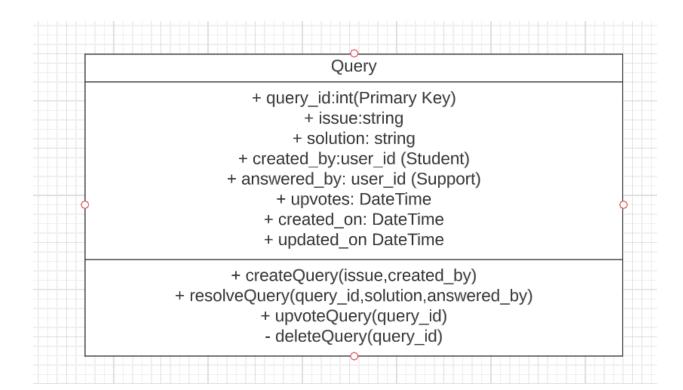
Support Team User Flow



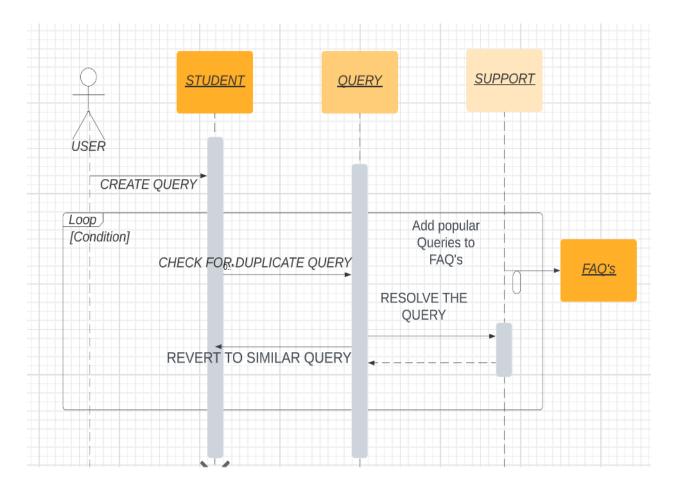
Admin User Flow

Class Diagrams (UML)





SEQUENCE DIAGRAM



MILESTONE 4

SWAGGER UI BASED YAML FILE.

