Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

Ministry of AYUSH

PS Code: SIH**1340**
Problem Statement Title:

Application for Assessment of Quality of Textbook/ Reference Books/ E- Book

Team Name: GrowGuards
Team Leader Name: Uzzma Saiyed
Institute Code (AISHE): C-58356
Institute Name:

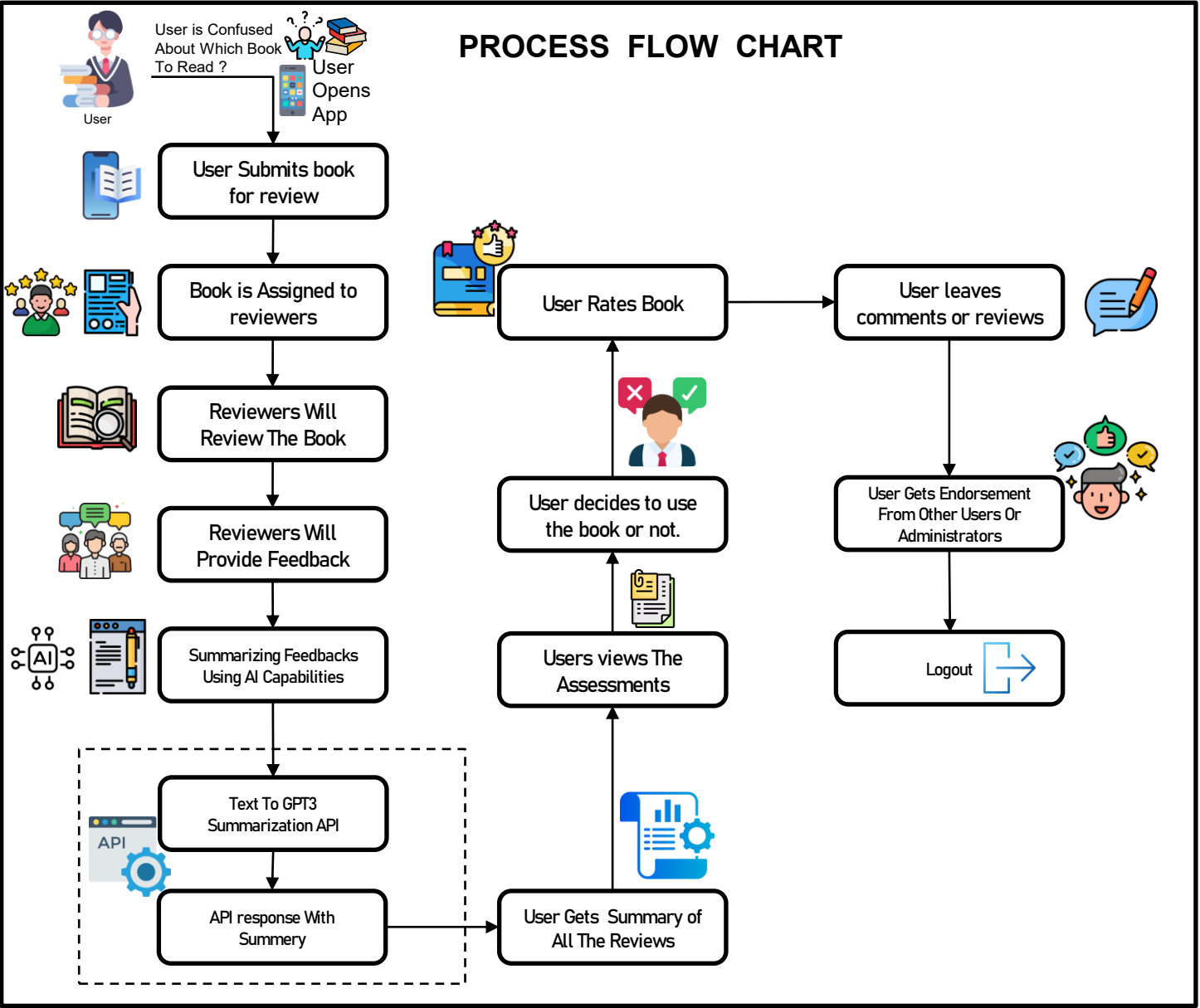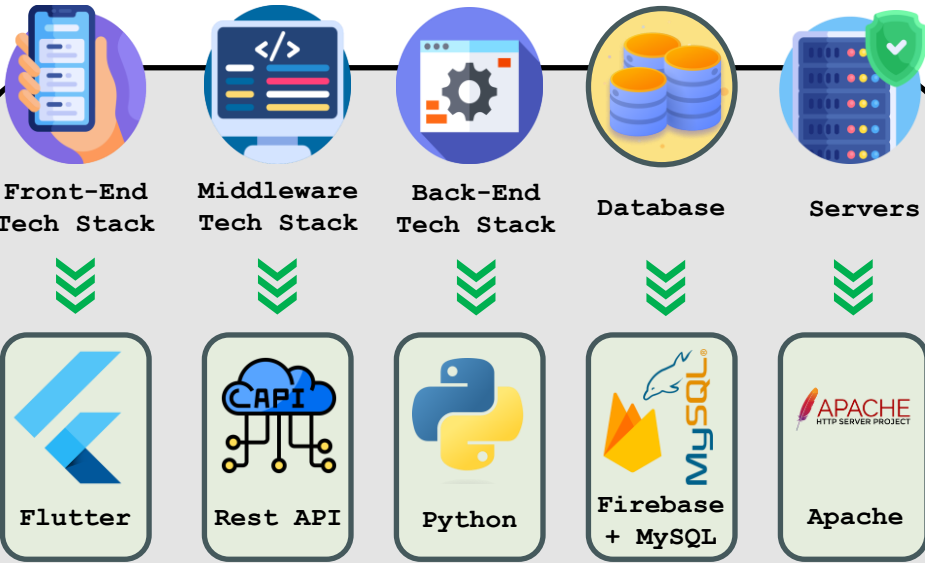Faculty of Computer Applications and IT

Theme Name: Smart Education
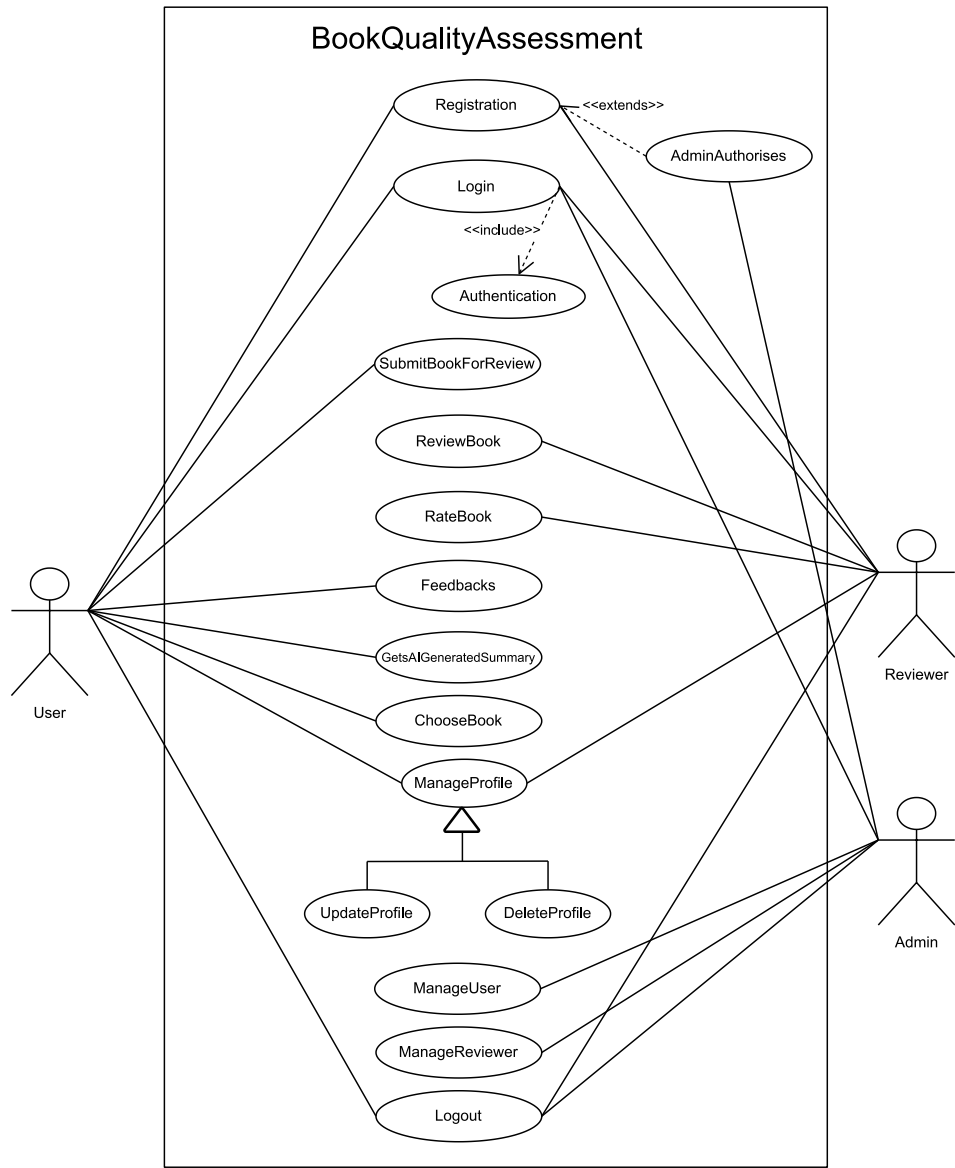
Idea/Approach Details

IDEA DESCRIPTION:

This application **helps** users to **choose high-quality textbooks, reference books, and e-books.** The application will **allow users to leave comments** and **ratings** based on quality assessment scale on books. The **reviewed data** will then be categorized and **summarized though AI.** This **application aims to empower educators, students, and educational institutions** by providing them with a **reliable platform to assess the quality and suitability of** educational materials.

TECHNOLOGY STACK

Front-End Tech Stack	Middleware Tech Stack	Back-End Tech Stack	Database	Servers
Flutter	Rest API	Python	Firebase + MySQL	Apache

PROCESS FLOW CHART

User is Confused About Which Book To Read ?

User Opens App

User

User Submits book for review

Book is Assigned to reviewers

Reviewers Will Review The Book

Reviewers Will Provide Feedback

Summarizing Feedbacks Using AI Capabilities

Text To GPT3 Summarization API

API response With Summery

User Gets Summary of All The Reviews

Users views The Assessments

User decides to use the book or not.

User Rates Book

User leaves comments or reviews

User Gets Endorsement From Other Users Or Administrators

Logout

Idea/Approach Details

Use Case

BookQualityAssessment

Actors: User, Reviewer, Admin

Use cases: Registration, AdminAuthorises, Login, Authentication, SubmitBookForReview, ReviewBook, RateBook, Feedbacks, GetsAIGeneratedSummary, ChooseBook, ManageProfile, UpdateProfile, DeleteProfile, ManageUser, ManageReviewer, Logout
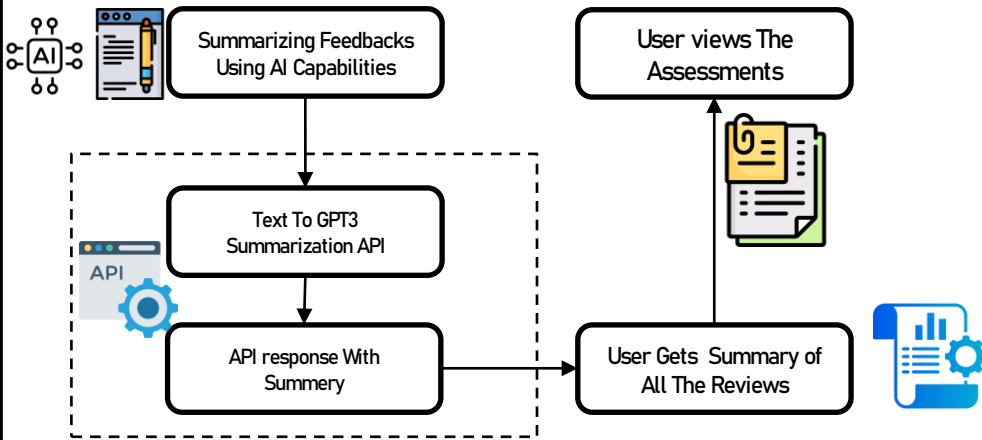
Relationships: <<extends>>, <<include>>

SHOW STOPPER

User interaction features: Submit, review, and rate books, leave comments, and participate in book discussions.

Platform enhancements: Search and browse books, receive recommendations, engage with the community, and access analytics and settings for a personalized reading experience.

- Summarizing Feedbacks Using AI Capabilities
- Text To GPT3 Summarization API
- API response With Summery
- User Gets Summary of All The Reviews
- User views The Assessments

Dependencies

The book review application relies on robust dependencies including databases, language processing APIs, server hosting, authentication, and external data sources to provide users with a seamless and feature-rich reading experience.

Team Member Details

Team Leader Name: UZZMA SAIYED

Msc.   Stream (ECE, CSE etc):   Year (I,II,III,IV): **I**

Team Member 1 Name: SMIT JOSHI

Msc.   Stream (ECE, CSE etc):   Year (I,II,III,IV): **I**

Team Member 2 Name: TEJASV MODI

Msc.   Stream (ECE, CSE etc):   Year (I,II,III,IV): **I.**

Team Member 3 Name: KHUSHI LODHA

Msc.   Stream (ECE, CSE etc):   Year (I,II,III,IV): **I**

Team Member 4 Name: DIGVIJAY JAKHANIYA

Msc.   Stream (ECE, CSE etc):   Year (I,II,III,IV): **I**

Team Member 5 Name: VISHVA RAVAL

Msc.   Stream (ECE, CSE etc):   Year (I,II,III,IV): **I**

Team Mentor 1 Name: PROF. RACHANA CHAUDHARI

Category : **Academic**   Expertise: **Web and Mobile Development**   Domain Experience (in years): **9**