Project Initialization and Planning Phase

Date	15 March 2024
Team ID	739890
Project Title	Bookmate: A Chatbot Companion For Book Recommendations
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) template

This project proposal outlines a solution to address a specific problem. With a clear objective, defined scope, and a concise problem statement, the proposed solution details the approach, key features, and resource requirements, including hardware, software, and personnel.

Project Overview	
Objective	To provide personalized book recommendations based on user preferences, helping readers discover new books and enhance their reading experience.
Scope	BookMate is a chatbot designed to enhance your reading experience. It leverages AI to provide personalized book recommendations based on your reading preferences, helping you discover new authors and genres.
Problem Statement	
Description	Bookmate aims to solve the problem of finding personalized book recommendations efficiently. Traditional methods like browsing bookstores or online reviews can be time-consuming and often lead to suboptimal choices.
Impact	Tailored suggestions based on individual preferences and reading history, enhancing reader satisfaction.
Proposed Solution	
Approach	BookMate is designed to provide personalized book recommendations and foster a vibrant reading community. Eg NLP
Key Features	Genre-Based Discovery, Personalized Recommendations

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	Iris Xe Graphics
Memory	RAM specifications	16 GB
Storage	Disk space for data, models, and logs	512 SSD
Software		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	tensorflow
Development Environment	IDE, version control	Jupyter Notebook, Gitlab
Data		
Data	Source, size, format	Kaggle dataset, 10,000 images