Proposal for Micro-Project

Institute Code: 0078
Academic Year: 2023-24   Program: Computer Technology
Course: Java Programming   Course Code: 22412 Scheme: I
Semester: 4   Class: SYCM-I   Date of Proposal: 13/04/2023

Title of Micro- Project: Java Program to Online Cinema Booking (Cinema Go)

Problem Definition:
To develop an Online Cinema Booking in java. Java is a platform independent as well as high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. It is a general-purpose programming language intended to let programmers write once, run anywhere. written a program in Java such that it creates a Cinema Booking which Book movie ticket online.

1.0 Aim of the Micro-Project:
The Aim/Benefits of this project is:
1. To know the basic concepts of Java Programming.
2. To learn about applet functions and methods.
3. To design a Cinema Booking using Java Programming.

2.0 Course Outcomes addressed :
CO402.1: Develop programs using Object Oriented methodology in java.
CO402.2: Develop program using multithreading.
CO402.3: Develop program using Graphics and applet.

3.0 Proposed Methodology:
1. Selection and conformation of project title.
2. Discussion About the project title with team members.
3. Refered various books and websites for searching of functions & classes.
4. Created a program using multithreading, Exception handling and various trigonometric functions.
5. Finalised the program and output of program.
6. Preparing proposal and report.
7. Submission of Micro-project and viva.

- **Cinema Go:**

1. User registration and authentication: Users should be able to create an account and log in to the system to browse available movies and purchase tickets.
2. Movie search and display: Users should be able to search for movies based on different criteria like movie title, genre, actor, director, and release date. Once the user selects a movie, the system should display available showtimes and theatres.
3. Seat selection and booking: Users should be able to select the seats they want to book and make the payment for the tickets. The system should also generate e-tickets that can be used for entry to the movie theater.
4. Payment integration: The system should integrate with payment gateways like PayPal, Stripe, or Braintree to process the payment for the tickets.

5.0 Action Plan:

S. No.	Details of activity	Planned Start date	Planned Finish date	Name of Responsible Team Members
1	Selection and conformation of project title.	16/02/2023	23/02/2023	All Team Members
2	Discussion About the project title with team members.	23/02/2023	02/03/2023	
3	Refered various books and websites for searching of functions & classes.	09/03/2023	16/03/2023	
4	Created a program using multithreading, Exception handling and various trigonometric functions.	16/03/2023	23/03/2023	
5	Finalised the program and output of program.	06/04/2023	13/04/2023	
6	Preparing proposal and report.	13/04/2023	20/04/2023	
7	Submission of Micro-project and viva.	20/04/2023	27/04/2023	

6.0 Resources Required:

Sr.no	Name of resource/material	Specification	Qty.	Remark
1	Laptop	AMD Ryzen-7 4800H 2.90 GHz RAM-16GB	01	For project work
2	Operating System	Windows 11 Home	01	For running compiler
3	compiler	JVM	01	For developing project in Java
4	Other software	Microsoft Office Word	01	For documentation
5	Reference book:	Headfirst Java by Bert Bates	01	For studying Java concepts
6	Websites	www.Javatpoint.com	01	For referring sample Java programs & concept

Name of Team Members:

Enrollment No.	Roll No.	Name of Students	Signature
2100780077	06	Baldota Kalash Sachin	
2100780081	10	Bhalerao Mukunda Chandrashekhar	
2100780086	15	Dhakane Aditya Arun	

Date: 13/04/2023   Evaluated by: Signature of Guide: _____

Name of Guide: Ms. R. K. Ushir.