



PROJECT TITLE

Airline Management System

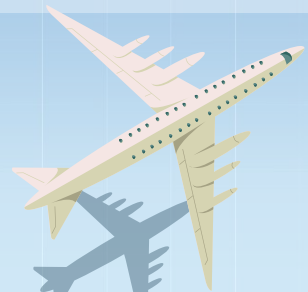


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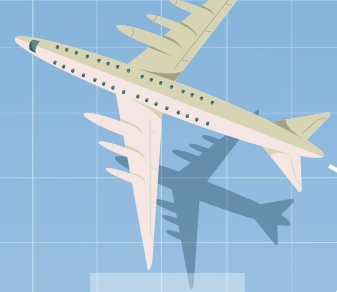
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TEAM MEMBERS & ROLES

| <i>Name</i> | <i>Student ID</i> | <i>Roles</i> |
|------------------------|--------------------------|---|
| Seaum Insaniat Swapnil | 2021-2-60-016 | <i>Requirement Analyzer & Documentation Manager</i> |
| Jerin Anan Proma | 2022-1-60-132 | <i>Project Manager & Backend Developer</i> |
| Shanta islam | 2022-1-60-288 | <i>Frontend Developer & Deployment manager</i> |
| Nusrat Jahan Oishi | 2022-2-60-033 | <i>Tester & Database Administrator</i> |

PROJECT OVERVIEW



Airline Management System is a web-based application that automates airline operations. It has **two** modules:

1. **Passenger Module:** Users can search flights, book tickets, make payments, receive e-tickets and manage reservations.
2. **Admin Module:** Airline staff can efficiently manage flights, schedules and passenger records.

Purpose: Enhances customer experience, streamlines operations and reduces manual errors.

Problem Solved: Eliminates inefficiencies, minimizes errors and improves overall efficiency and customer satisfaction.

OBJECTIVES

- User-Friendly Interface
- Admin Dashboard
- Automation
- Security & Reliability
- Payment Integration
- Role-Based Access Control
- Structured Database



SCOPE

In Scope

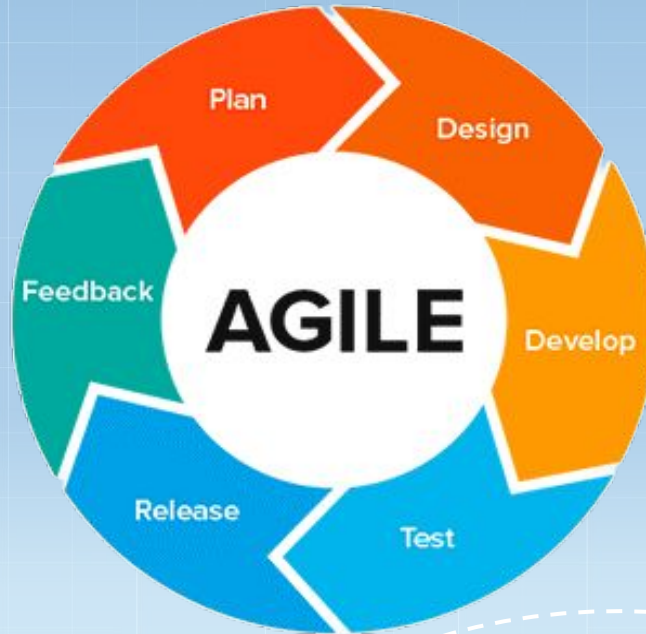
- User Registration & Authentication
- Flight Search & Booking
- Real-Time Seat Availability
- Payment Integration (for Simulation)
- Admin Dashboard
- Cancellation & Refund Management
- Confirmation Message

Out of Scope

- Real-time Flight Tracking
- Third-party Airline Integration
- Advanced Security Features

PROPOSED METHODOLOGY

The project will follow the ***Agile Software Development Model***, ensuring iterative and flexible development.



EXPECTED TECHNOLOGIES

FRONTEND

HTML, CSS,
JavaScript

01

02

BACKEND

PHP

DATABASE

MySQL

03

04

OTHER TOOLS

AJAX, jQuery,
GitHub for
version control,
XAMPP for local
testing



TENTATIVE TIMELINE

| TASKS | Timeline | | | | | | |
|--|----------|---|---|---|---|---|---|
| | (week) | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Requirement gathering & UI design | | | | | | | |
| Database schema design & backend setup | | | | | | | |
| Implement flight booking & admin panel | | | | | | | |
| Payment gateway & user management | | | | | | | |
| Testing & debugging | | | | | | | |
| Deployment & final presentation | | | | | | | |

EXPECTED DELIVERABLES

- Web-Based Airline Management System
- Project Documentation
- User Guides
- Final Report
- Presentation Slides
- Test Cases & Reports



POTENTIAL RISKS

**SECURITY
RISKS**



**TECHNICAL
CHALLENGES**



**TIME
CONSTRAINTS**



**USER
ACCEPTANCE
ISSUES**



**SCALABILITY
ISSUES**



**Thank You
Everyone
for
Your Attention!**

