Project Management

Group name: FireSoft Limited

Project title: Airport Flight Management System

Team Composition

The Airline Flight Management System project was undertaken by a small but dedicated team of three members, each taking on multiple roles due to unforeseen circumstances. Despite the challenges posed by the limited team size, the members demonstrated exceptional commitment and collaboration throughout the project's lifecycle.

Harrishkobi Srilavan (M00762244) - SCRUM Master, Developer, and Tester
Asef Tajwar Tanim (M00891553) - Secretary, Developer, and Tester
MD Mahdub Golam Hasan (M00868561) - Developer and Tester

Roles and Responsibilities

SCRUM Master - Harrishkobi Srilavan
As the SCRUM Master, Harrishkobi played a pivotal role in ensuring the smooth implementation of the SCRUM methodology. He facilitated regular team meetings, fostered open communication, and provided guidance to overcome obstacles. Harrishkobi's leadership skills were instrumental in maintaining focus and promoting a collaborative work environment.

Secretary - Asef Tajwar Tanim
Asef's role as the Secretary involved meticulous documentation and coordination efforts. He ensured that all administrative tasks were handled efficiently, including scheduling meetings, maintaining records, and facilitating information sharing among team members. Asef's organizational skills contributed significantly to the team's overall productivity.

Developers and Testers - Harrishkobi Srilavan, Asef Tajwar Tanim, MD Mahdub Golam Hasan
Despite their diverse roles, all three team members actively contributed to the development and testing phases of the project. They collaboratively designed

and implemented the appropriate data structures and algorithms, ensuring the system's functionality and efficiency. Through rigorous testing and debugging efforts, the team delivered a high-quality product at the end of each sprint.

SCRUM Methodology Implementation

The team embraced the SCRUM methodology to promote an iterative and incremental approach to project development. The following SCRUM practices were diligently implemented:

Iterative Development: The project was divided into sprints, each lasting 2-4 weeks. At the end of each sprint, a potentially shippable product increment was delivered, allowing for continuous feedback and adaptation.

Self-Organizing Team: The development team was empowered to self-organize and determine the most effective strategies to accomplish their tasks. This autonomy fostered a sense of ownership and motivated the team to take proactive actions.

Sprint Planning: Before each sprint, the team conducted comprehensive planning sessions to select and prioritize tasks from the Product Backlog. These sessions ensured alignment with project goals and stakeholder requirements.

Product Backlog Management: The team diligently maintained and updated the Product Backlog, ensuring it accurately reflected the evolving priorities and requirements of stakeholders.

Regular Retrospectives: After each sprint, the team convened retrospective meetings to openly discuss challenges, identify areas for enhancement, and implement strategies to refine their processes in subsequent sprints.

Embracing the SCRUM methodology and fostering a collaborative, self-organizing environment, the team worked toward delivering a top-tier Airline Flight Management System while continuously refining their methodologies throughout the project lifecycle. Despite encountering obstacles, the team's unwavering dedication, adaptability, and pursuit of excellence were instrumental in attaining their objectives.