Project Charter

***Husky Air Database Management***

***06/20/2022***

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# Project Description

Husky Air, a fixed-base aircraft service operative at Dekalb Taylor municipal Airport requested to develop a web-based mobile and desktop application for their Pilot Angels program. The organization has 23 employees responsible for all its operations, who are pilots, maintenance, and office personnel. Currently, their system is spreadsheet-based, which needs to be developed into an online system. The brand-new system application serves as a platform to bring the volunteer pilots and the patients together to plan their travel to the nearest hospitals. The application will be accessed by volunteer pilots, and the patients have complete control over their schedules and book a flight based on availability. This system makes the bookings easy with lesser navigation, and the volunteer pilots can accept or reject a booking based on patients’ companions and the luggage they carry. The paperwork required with spreadsheets can be reduced and the data loss can be minimized by using the developed system. The developed system is concrete and is free from cyber-attacks as it has the best servers to bridge the application and database.

The bookings can be accessed and managed from any point and at any time, which makes both pilots and patients flexible for mapping.

# Project Purpose

The goal of this project is to assist Husky Air in implementing a database system to move their Pilot Angels program data from a spreadsheet to an online database. The newly implemented online system will help them to track the information of the Pilot Angels Program efficiently, as well as manage the patient and volunteer pilot mapping.

# Business Case

The Husky Air aircraft operator has a need to change their current scheduling system of pilot angels program to an application based online system to track their program information. They need this system to help them maintain data of all the patients took their service and pilots involved in it. The system should help them in having a note on the patient accompanying and luggage that needs to be taken. They want to make the information can be accessible from the database from a mobile phone and on a web browser with the new developed system to make the scheduling easy.

# Business Requirements

An online application for Husky Air to maintain their organization data of the pilots and the patients in a secure way to be accessible on web browser and mobile application, to help the organization rewarding their volunteer pilots on their accomplishments. The new system should make the scheduling easy and shows the availability of their services to the customers.

# Assumptions

* + The new system requirements are clearly specified and documented.
  + The required software and server authorizations for system development are taken.
  + The information to be maintained in database is provided by Husky Air which is from the spreadsheet system.
  + The required technology specialists are hired for development to make team balanced.

# Constraints

The newly developed application for Husky air should be the best with finest quality. The features and the response time of the application is a great concern of the project which relies on database server response and application interface integration. One of the other factors is time/efforts and the budget allocated may not suffice, if there is any delay in deployment due to glitches. The expected delivery of Husky air application is 6 months, so the service level agreement of the project should not be breached. The migration of data from the conventional to a new system should be done carefully to avoid the loss of customer information, pilot information and pilot schedules. The loss of any of the data will put the patient and organization at risk, so proper encryption for the data is required to avoid escalations.

# Risks

|  |  |  |
| --- | --- | --- |
| **Risk** | **Level** | **Description** |
| System conversion | Medium | * Migration from spreadsheet to an online system |
|  |  | may not be smooth |
| System failure | High | * The new system should resist cyber-attacks to |
|  |  | avoid system failure |
| Data loss | High | * The information of customers is private, so it |
|  |  | should not be compromised |
| Additional Infra- structure needs | Medium | * The required infrastructure needs to be captured while budgeting to avoid |
| Project Timeline  Crunch | Medium | * The project should be delivered as expected in- order to avoid delay in delivery |

# Project Deliverables

This new system will provide an easier, more accurate and more convenient way for customer to book services. Customers can use their mobile devices or computer to easily check the availability of pilots and aircraft models. The application can also provide more information related to luggage weight limit, the availability of little medical assistance, and destination stats.

# Project Milestones

### Milestone Date Milestone Name Milestone Description

[Jun 6]

System Requirements

Complete

System requirements version 1.0 are approved and

baselined so that the project can begin design

[Jul 7] Design Complete The System design and features are documented

[Oct 10] Development Complete Software development is complete and ready for

|  |  |  |
| --- | --- | --- |
|  | | integration testing |
| [Nov 6] | Testing Complete | System passes integration and end-user acceptance testing and is deployed to production |
| [Dec 6] | System Deployment | Go-live |

# Project Manager

Camille Wu, certified PMP, who has worked in Robert Walters China, and has over 15 years of experience in web application development technologies and project management. She has been responsible for many key projects and managing the business lines, and she is exceptionally good at end-to-end process of target setting, task dismantling, process control, risk identification, etc. In this project, she is responsible for defining the scope of the project, force everyone to stay on schedule, planning a project’s cost and sticking to a budget, managing project the resources (including human resources and any other useable resources). She acts as a point of contact between stakeholders and the development team to gather the requirements and define the acceptance criteria. She communicates and organizes project meetings with clients and with the internal team to track the progress of the project and timely changes in business requirements. She plays a key role in assessing risks, troubleshooting, and making sure the quality of the system is as agreed.

# Project Roles and Responsibilities

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibilities** |
| Nitish Katkoori | Risk Management | * Lead the risk management team to ensure risk |
|  | Team Lead | identification, analysis, and mitigation. |
| Srikanth Reddy Narra | Testing Lead | * Plan and complete testing in all stages of testing |
|  |  | and document the observations.   * Maintain traceability to requirements to ensure |
|  |  | that all requirements are tested.   * Responsible for testing tools |
| Tianyu Nan | IT Lead | * Responsible for all the developments and |
|  |  | managing the IT team. |
| Team 2 | Project Team | * Participate in all business meetings and internal |
|  |  | project meetings   * Responsible for delivering the project within the |
|  |  | anticipated time within SLA. |

# Project Life Cycle Methodology and Tools

This project adheres to the agile methodology of SDLC. It has 6 phases which includes system analysis, system design, system development, system testing, system deployment and maintenance. The system

will be provided maintenance for a shorter period. The project progress will be periodically by defining the definition of done for each sprint and the feedback through sprint retrospective. After each sprint, there is an opportunity to add new functionality to the developed system.

Tools used: This project used RAD Studio for building Apps on PCs as well as Android and iOS. GitHub for code reviews and Oracle as a database provider.

# Authorization

Provide the names of those business sponsors that must sign the Project Charter. Once the project Charter is signed by the project sponsors, the project is authorized to start.

## Approved by the Project Sponsor:

## Husky Air Date:06/20/2022 [Project Sponsor]

## [Project Sponsor Title], [Project Sponsor Organization or Division]