AirCaddy – Final Report

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MODULE 1 – ORGANIZATION DESCRIPTION

* 1. Organization Description
     1. Mission, Objectives, Industry
     2. Information Systems Culture of the Organization
  2. Overview Decription of the Organization Business Unit
  3. Business Area Analysis of the Unit

MODULE 2 – PROJECT DEFINITION

* 1. General Application Goal
  2. Statement of Work

2.2.01 Objectives of the Project

2.2.02 Success Criteria

2.2.03 Risk Analysis

MODULE 3 – PROCESS MODELING

* 1. ***General Application Goal***

To help better describe this section, we will provide a user story diagram to give a better picture of how the users correspond to the functionalities offered by the system. With each of these functionalities a system sequence diagram will be provide to better explain the flow of how the system will respond.

***\*Upload image of the user story diagram\****

* 1. **Statement of Work**

In this section we will define all our listed functionality described in the user story diagram. In each functional requirement we will describe the inputs that go into them, the outputs, and the flow of data for each of them.

1. ***Request ability to be able to manage course footage***

The authorized type of user will fill out a form that will require them to provide the name of the course they are trying to upload for, their phone number, their email, their name, and justification on why they would like to upload course footage. By doing this we can reduce the risk of bad video data being uploaded to our application. This information will be available for an administrator to approve. The outputs of this functional requirement will either be a rejection and the user will be unable to upload course footage or they will be granted authorization to upload video footage of their course.

1. ***See golf course review data***

Any type of user will be able to view course review data that each course uploaded to the application may or may not have. To generate this data, once a course is uploaded to the application; our application will use the Yelp Fusion API to gather high level review data about the course which will then be displayed to the user to give better insight to them on whether it is worth exploring that course in more detail.

1. ***See high level course information***

Any type of user will be able to view high level course information that includes the operational hours of the golf course, address, and the phone number. To generate this data, once a course is uploaded to the application; our application will use the Yelp Fusion API to gather general business information which will then be displayed to the user which will allow the user to contact the course owner if they have more questions.

1. ***See footage per hole of golf course***

Unauthorized and authorized users will want to have this capability to give them better insight on what a particular hole is like on that golf course. To do this, the user will click on a golf course and select a hole they would like to see. To generate the video for the user to see, our application will use YouTube’s API to show the particular hole on the particular course the user would like to view.

1. ***See difficulty/comments per hole***

Any type of user can view this data and it will be generated by authenticated users to post what they think about that course by giving it a difficulty rating and providing any useful feedback that could help the user. This type of data will be obtained from the application’s database which is a Microsoft SQL Server instance.

1. ***Upload difficulty/comments per hole***

Authorized users will have privilege to do this. This type of user will fill out a form that requires them to give the hole a difficulty rating (1 being very easy, and 10 being very difficult) and some general comments about the hole. This information will be served in our application’s Microsoft SQL Server database instance.

1. ***Approve authorized users to upload course footage and become Golf Course Owner type user***

An administrator will be able to review all of these types of requests and have the ability to reject or accept that type of user to do those kinds of actions. This information will be obtained from our application’s Microsoft SQL Server database instance.

1. ***Manage course footage for their course***

A Golf Course Owner type of user will be able to upload footage per course simply by clicking on the golf course they own, selecting a hole, and then uploading a video file. The metadata of the file will be stored in our application’s Microsoft SQL Server database instance (File name, YouTube Id to obtain from YouTube), and the video itself will be stored on YouTube utilizing their API.