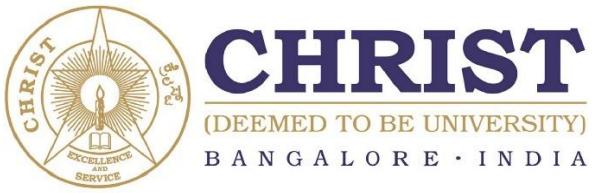

Zeus

A Drone Delivery Company

Project Progress Report

27th July 2018

Under Supervision Of:

Prof. Saravana Kumar

Submitted By:

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Abstract

There are a fixed set of instructions and rules that are established for ensuring the safety of a drone delivering a goods to a delivery destination. The platform will notify the purchaser that the drone has arrived near the delivery destination. The drone will then hover at a predefined altitude from the landing area at the delivery destination. The customer will then send the delivery code to the drone. The drone will land only if the delivery code is a match to the issued code. Otherwise, the delivery is cancelled, and the drone returns to the base station without landing.

Introduction & Objectives of the Project

The primary objective of our breakthrough system is to establish a baseline industry standard in the field of drone delivery, to enable even the unsavviest of customers to book a drone to deliver their goods of choice with a very simple web interface and an accompanying application portal. Our project is based on the above concept i.e. assisted hiring and rental of delivery drones that fit the customer's requirements in an easy and fast manner.

Proposed Study

Our drone delivery system will be introduced in a relatively new market in which there are currently no companies existing. Hence there are no pre-existing players and we will look to tap into this market by offering a delivery service which will seek to change the logistics industry. Companies like Amazon are looking to tap into this market as well, and they have conducted a couple of tests to check the viability of this field. This area offers a world of opportunity to improve the way products are delivered.

Problem Statement

How many times have you found yourself in a situation where you need to send a package urgently but are kept from doing so with no such services, only to realize that the norm of the field is a package delivery union that operates in a syndicate and charges the unwilling customers, exorbitant amounts for a service that is extremely important to them.

Our Drone Delivery System brings to the table, a revolutionary technology that aims to standardize the monetary and availability aspects of the aforementioned.

Modules

- **Login & Signup**

This module will allow customers to register their account as an individual customer or a company and access the different pricing slabs.

- **Invoice & Billing**

This module will be used to generate invoices based on the requirements of the customer.

- **Drone Booking**

This module helps the consumers book a drone suited for their needs based on the weight of the payload.

- **Status Tracking**

This module will help the users to track their requests. This will show the status of request. Status types: Placed, processing, accepted, arriving & delivered.

- **Drone Registration**

This module will ensure that all the drones in the fleet are registered and on record with the authorities, thus preventing the misuse of the architecture.

- **Payment Portal**

Payments will be made through this module, it will allow the user to pay through his/her preferred mode of payment. Types: Card, Online Banking or Wallet.

Technical Specifications

Back End Hardware Requirements

RAM - 16GB DDR5

Processor - Intel i7 7th Gen

Hard Drive - 1TB

Back End Software Requirements

Our Drone delivery platform is going to be built using the following tools and environments:

Framework: - Adobe DreamWeaver CS6 + PHP, CSS

Database - PHPmyAdmin

OS Platform: - Windows 10 Home Edition Single User or Above

Front End Hardware Requirements (Minimum)

RAM - 1GB (32 Bit) / 2GB (64 Bit)

Processor - Dual Core 1.6GHz or Faster

Disk Space - Na

Operating System - Windows 7 or Above

Front End Software Requirements

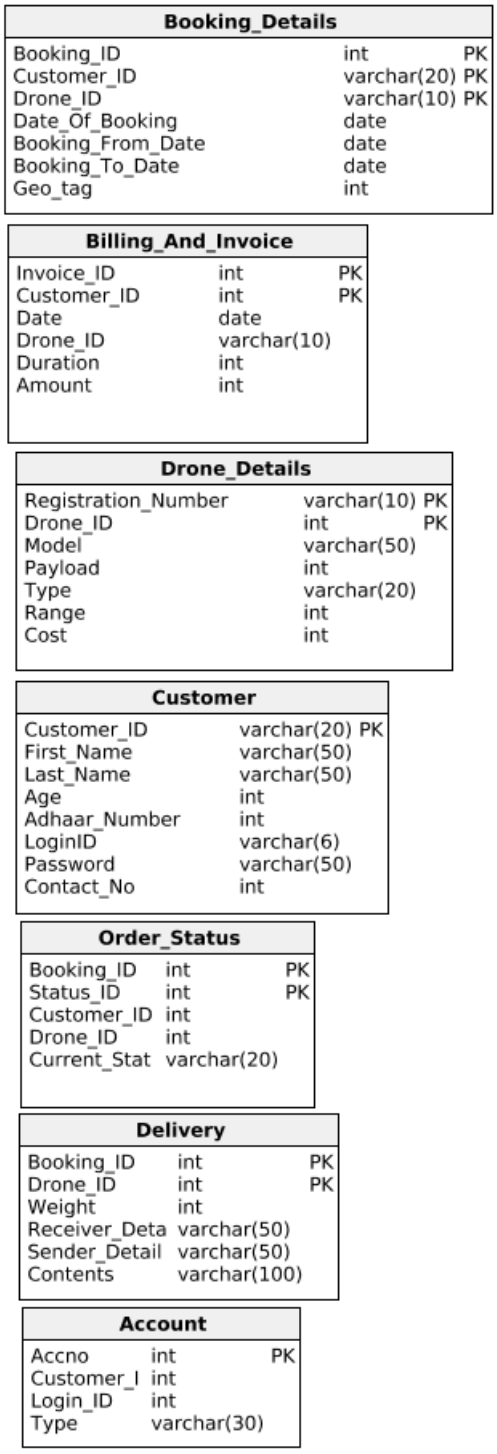
Operating System:

Operating Systems		
Minimum	**Recommended**	**Full Supported List**
Windows XP[1]	Windows 8.1	Windows XP[1] Windows Vista Windows 7 / 8 / 8.1
Mac OS X 10.6	Mac OS X 10.9 (Mavericks)	Mac OS X 10.6 (Snow Leopard) Mac OS X 10.7 (Lion) Mac OS X 10.8 (Mountain Lion) Mac OS X 10.9 (Mavericks)

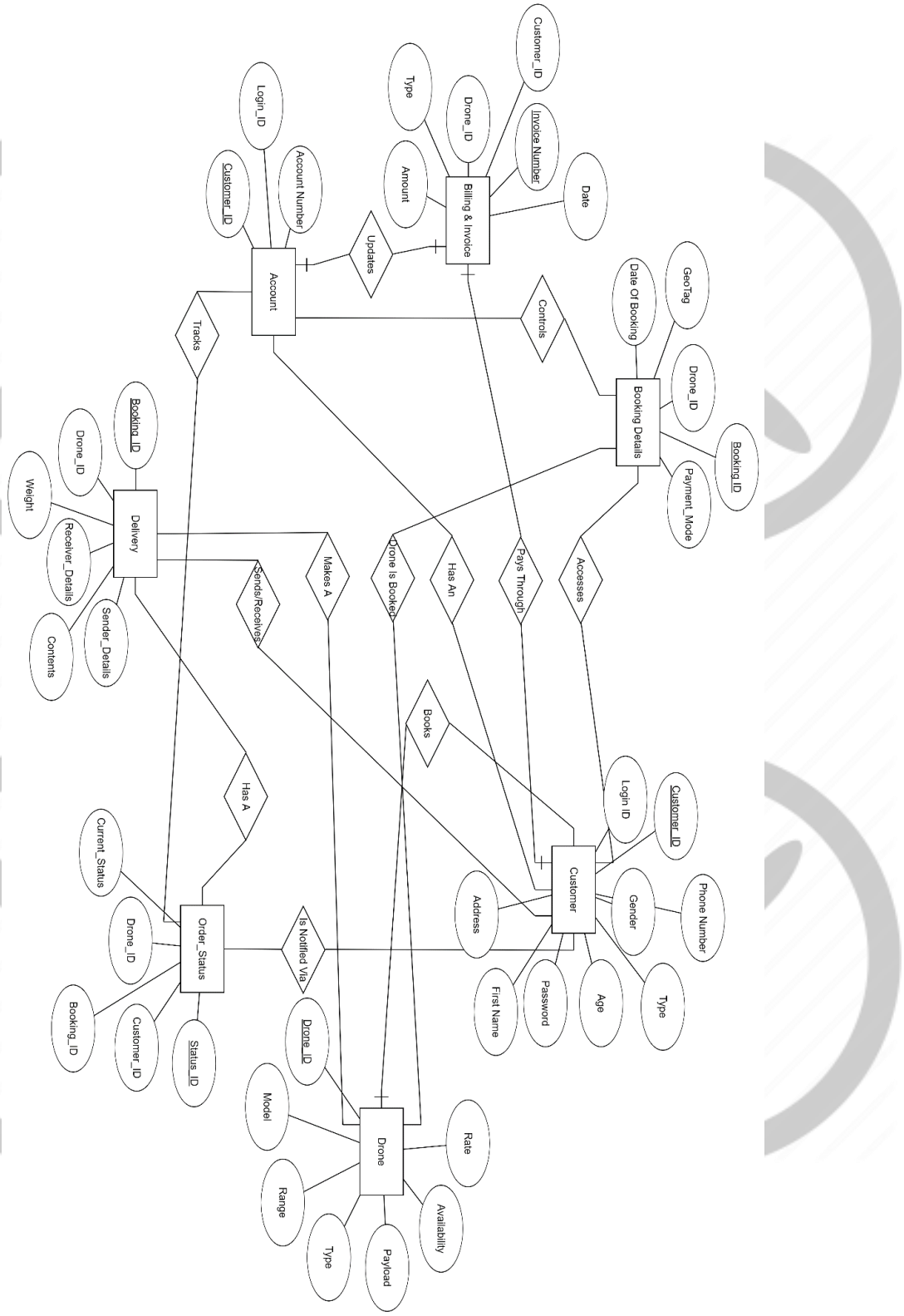
Browser:

Windows Browsers		
Minimum	**Recommended**	**Full Supported List**
Chrome (current version[2])	Chrome (current version[2])	Chrome (current version[2])
Internet Explorer 8[1]	Internet Explorer 11	Internet Explorer 8[1] Internet Explorer 9 / 10 / 11
Firefox (current version[2])	Firefox (current version[2])	Firefox (current version[2])
Mac Browsers		
Minimum	**Recommended**	**Full Supported List**
Chrome (current version[2])	Chrome (current version[2])	Chrome (current version[2])
Firefox (current version[2])	Firefox (current version[2])	Firefox (current version[2])
Safari 5	Safari 7	Safari 5 through Safari 7

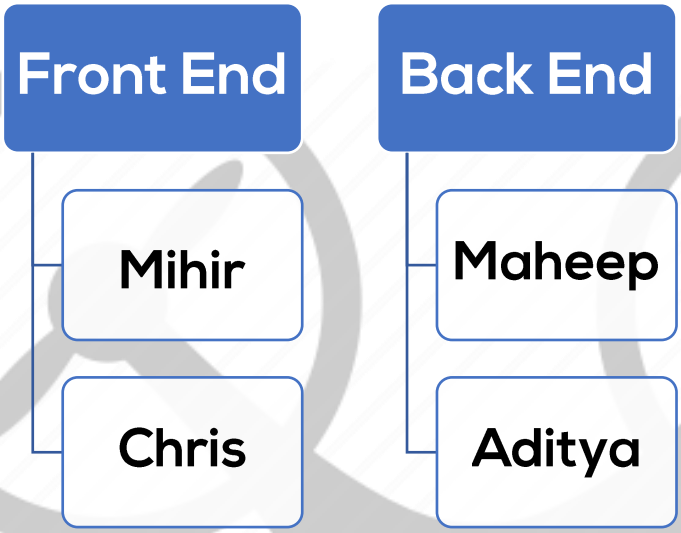
Database Design



Entity Relationship Diagram



Work Distribution



Aditya

Modules + Database Design + myPHPAdmin Database Structure

Maheep

myPHPAdmin Database Structure + Entity Relationship Diagram + Database Design

Mihir

Webpage Designing with Bootstrap, HTML, CSS and Adobe Illustrator

Christopher

Webpage Design Support, PHP Data Passing (Between Pages & To The Database)