**Release and Sprint Plans**

**Team Number**

|  |  |
| --- | --- |
| Student Number | Team Member Name |
| 09476776 | Dawid Maartens (David) |
| 08994218 | Kar Lun Leung (Alan) |
| 09453156 | Jacob Cooper |
| 08893144 | Imke Botha |
| 08588571 | Victoria Tobin |
| 09379754 | Jesse St German |

Tutor: Prakash Bhandari

Version: Final

Date: 24/08/16

**Table of Contents**

[Release Plan 1](#_Toc460918669)

[Release 1 1](#_Toc460918670)

[Administrator and Business Order requirements 1](#_Toc460918671)

[Customers and Accounts 1](#_Toc460918672)

[Release 2 2](#_Toc460918673)

[Delivery Driver Features 2](#_Toc460918674)

[Additional Administrator Features 2](#_Toc460918675)

[Release 3 3](#_Toc460918676)

[GPS Tracking and Route Plotting 3](#_Toc460918677)

[Delivery Schedule 3](#_Toc460918678)

[Estimated Velocity: 15 3](#_Toc460918679)

[Sprint Plan 4](#_Toc460918680)

[Sprint 1 4](#_Toc460918681)

[Story A-6: Business Process 4](#_Toc460918682)

[Story C-1: Customer Account 4](#_Toc460918683)

[Story C-3: Order Status 4](#_Toc460918684)

[Story C-5: Order Form 4](#_Toc460918685)

[Story C-4: Pick-Up Request 4](#_Toc460918686)

[Sprint 2 5](#_Toc460918687)

[Story A-1: All Orders 5](#_Toc460918688)

[Story A-6: Business Process Part 2 5](#_Toc460918689)

[Story A-2: Assigned Courier 5](#_Toc460918690)

[Story A-3: Delivery Flow 5](#_Toc460918691)

[Story A-5: Delivery Type 5](#_Toc460918692)

Release Plan

# Release 1

Delivery date: 21/9/16 Total Story Points: 33

The goals for release one are basic staff and customer interaction with the website for package delivery. Completion of these goals will enable the administrator of the business to be able to assign a courier and see the delivery flow of an order. Customers will also be able to create a customer account, create an order and know the status of their order(s).

## Administrator and Business Order requirements

The purpose of these features are to enable the administrator of the business to be able to see which delivery driver is making the currently assigned delivery as well as informing the administrator where to send packages and their specifications (pick-up location, date and time, delivery status etc.). The business value of these two tasks are more efficient and effective package processing as well as increased business visibility.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| A-1 | All Orders | 4 |
| A-2 | Assigned Courier | 4 |
| A-3 | Delivery Flow | 4 |
| A-5 | Delivery Type | 2 |
| A-6 | Business Process | 8 |
|  | Story Point Sub-Total: | 22 |

## Customers and Accounts

The purpose of these features are for the customer to be able to register an account with the business, and be able to place an order online on the website as well as have access to the current status of their order(s). The business values associated with these features are increased customer convenience and increased staff efficiency.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| C-1 | Customer Account | 4 |
| C-3 | Order Status | 2 |
| C-5 | Order Form | 4 |
| C-4 | Pick-Up Request | 1 |
|  | Story Point Sub-Total: | 11 |

# Release 2

Delivery date: 26/10/2016 Total Story Points: 23

Release two will provide features that will assist the delivery drivers in quickly and easily viewing their deliveries and changing a delivery status. This will filter through to ultimately benefit the customer, who will be able to see where their order is at what time. Secondly, this realase will provide a few additional administrator features to speed up processes. The administrator will be able to assign deliveries to drivers, to easily add new employees, and to provide a help section on the website.

## Delivery Driver Features

These features will enable the delivery drivers to view and interact with their assigned orders. They will be able to see what packages they are to deliver (with package information and priority), as well as change the status of the packages once actioned (e.g. when collected from customer, when arrived/leaving warehouse, when delivered). The business values associated with these features are: enabling drivers to quickly and easily view and plan their routes, as well as full traceability of packages by recording location, time, and status of a delivery.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| E-2 | Package Type | 1 |
| E-3 | Package Priority | 1 |
| E-4 | Delivery Schedule | 4 |
| E-5 | Change Status | 8 |
|  | Story Point Sub-Total: | 14 |

## Additional Administrator Features

These features provide the administrator with further privileges, allowing them to refine procedures and have the ability to easily manage employees. They will be able to manually assign a courier to a particular delivery, to change accounts (e.g. from customer to employee in the case of a new employee), and provide a help page for customers so that they may understand how to use the website before calling for assistance. The business values associated with these features are the speeding up of processes, and finer control over deliveries and staff.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| A-7 | Assign Couriers | 4 |
| A-8 | Staff Account | 4 |
| C-2 | How To Order | 1 |
|  | Story Point Sub-Total: | 9 |

# Release 3

Delivery date: *Unspecified* Total Story Points: 40

Release three will focus on the nice to have features, which ultimately do not overly improve website functionality or usability. It will focus on providing drivers with a delivery route, and enabling the administrator to view their driver’s positions using GPS.

## GPS Tracking and Route Plotting

These features will enable the administrator to see the location of all delivery vehicles using GPS. The delivery drivers will be able to see a planned route that will allow them to deliver all of their on-board packages quickly and efficiently. Finally, the drivers will be able to view the availability of and book a delivery vehicle for their use. The business values associated with these features are increased reliability and decreased delivery times, benefiting the customers, and allowing the company to delivery more packages within the same timeframe.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| A-4 | Courier Location | 16 |
| E-1 | Delivery Route | 16 |
| E-6 | Available Vehicles | 8 |
|  | Story Point Sub-Total: | 40 |

# Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 1 | | Sprint 2 | | Sprint 3 | | Sprint 4 | |
| Release 1 | | | | Release 2 | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  |  |  |  |  |
| Sprint 5 | | … | |  | |  | |
| Release 3, 4, … | | | | | | | |

## Estimated Velocity: 15

Sprint Plan

# Sprint 1

Total Story Points: 19 Total Hours: 21  
Current Velocity: 15

## Story A-6: Business Process

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create BPMN Model Draft | 4 |  |
| T02 | Create FMC Model | 3 |  |
| T03 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 8 Total Hours: | 8 |  |

## Story C-1: Customer Account

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T04 | Create login page (JSTG) | 2 | 2 |
| T05 | Create corresponding database (JSTG) | 1 | .5 |
| T06 | Update database with new data (JSTG) | 1 | 1 |
| T07 | Verify story is complete (acceptance test) (JSTG) | 1 | 1.5 |
|  | Story Points: 4 Total Hours: | 5 |  |

## Story C-3: Order Status

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T08 | Create order status page | 1 |  |
| T09 | Retrieve information from database | 1 |  |
| T10 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 3 |  |

## Story C-5: Order Form

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T11 | Create order form page | 1 |  |
| T12 | Create corresponding database | 1 |  |
| T13 | Update database with new data | 1 |  |
| T14 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4 Total Hours: | 4 |  |

## Story C-4: Pick-Up Request

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T15 | Edit the order form | 0.25 |  |
| T16 | Edit the database | 0.25 |  |
| T17 | Verify story is complete (acceptance test) | 0.5 |  |
|  | Story Points: 1 Total Hours: | 1 |  |

# Sprint 2

Total Story Points: 14 Total Hours: 14   
Current Velocity:

## Story A-1: All Orders

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T18 | Create an orders tab that the admin can see | 2 |  |
| T19 | Display data containing current and upcoming orders (from DB) | 1 |  |
| T20 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4 Total Hours: | 4 |  |

## Story A-6: Business Process Part 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T21 | Create FMC Model (HTTP) | 3 |  |
| T22 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 8 Total Hours: | 4 |  |

## Story A-2: Assigned Courier

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T23 | Modify orders data displayed to include driver data | 2 |  |
| T24 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4 Total Hours: | 3 |  |

## Story A-3: Delivery Flow

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T25 | Create a link to an Outstanding Orders page | 2 |  |
| T26 | Display data contain the outstanding orders | 2 |  |
| T27 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4 Total Hours: | 5 |  |

## Story A-5: Delivery Type

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T28 | Modify orders data displayed to include type of delivery data | 1 |  |
| T29 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 2 |  |