**Release and Sprint Plans**

**Group 4**

**Package Delivery Project**

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Release Plan

# Release 1

Delivery date: 19th September

Total Story Points: 35

To create a basic website containing all of the most important features that can-not be done without. The website should be fully functional with database, user accounts and delivery forms.

## Database Setup and Functionality

Database design, setup and functionality for querying and displaying results as well as saving information in the database.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S03 | Database Design | 4 |
| S02 | Package Information Lookup | 1 |
| S01 | Record Delivery Information | 1 |
| S08 | Mobile Application Functionality | 2 |
| S06 | View Daily Deliveries | 1 |
| S13 | Create Customer Account | 2 |
| S09 | Edit Customer Information Form | 2 |
| S24 | Managing Company Employees | 4 |
|  | Story Point Sub-Total: | 15 |

## 

## Website Setup and Functionality

Setup the most basic functionalities the website needs to operate properly, display relevant information and allow customers to place orders for picking up packages.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S22 | Website Home Page | 2 |
| S04 | Customer Delivery Details Form | 2 |
| S07 | Delivery Request Form | 4 |
| S20 | Update Delivery Request Form | 4 |
| S12 | Package Delivery Cost Estimator | 2 |
| S21 | Special Requirements Section | 2 |
| S23 | Separate Website Sections | 2 |
|  | Story Point Sub-Total: | 18 |

## Label Making

Label making for aiding in the delivery driver’s task and homogenising procedures. Carbon copies can also be made if needed to accommodate old people in administration roles who are uncomfortable with technology.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S05 | Label Printing | 2 |
|  | Story Point Sub-Total: | 2 |

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# Release 2

Delivery date: 24th October Total Story Points: 52

A collection of more advanced features which is not vital to the webpage, but is definitely useful to have like real time tracking for packages and different types of notifications help with deliveries.

## Customer’s Delivery Information

Allow the customer to properly track the status of their order. This can be done by checking the delivery status on the website, or simply getting an email when the package is being delivered or delayed.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S11 | Package Delivery Status | 2 |
| S10 | Package Delivery Notifications | 6 |
| S19 | Delivery Delay Notifications | 4 |
|  | Story Point Sub-Total: | 12 |

# 

# Release 3

Delivery date: To be decided Total Story Points: 32

Optimum route calculation feature for the shortest possible delivery time.

## Optimum Route Calculation

The delivery company can, with this feature, calculate the optimum routes for their delivery drivers to take so that all packages can be delivered in the shortest amount of time possible. That way every driver can be allocated to a daily delivery route.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S18 | Calculate Optimum Routes | 32 |
|  | Story Point Sub-Total: | 32 |

## No account website usage

A customer will be able to request a delivery without an account. All information will have to be entered for every delivery.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S14 | Delivery without account | 8 |
|  | Story Point Sub-Total: | 8 |

# 

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# Release 4

Delivery date: To be decided Total Story Points: 32

Implementation of digital signing of a completed delivery.

## Digital Signatures

The customer will be able to sign digitally when receiving the package, acknowledging that it has been received. This could be done by signing on a tablet or phone and the signature should be legally binding.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S17 | Digital Signatures | 32 |
|  | Story Point Sub-Total: | 32 |

## Real Time Tracking

Real time tracking so that the customer will be able to see where their package is at the given moment. Also real time tracking notifications notifying the user when their package is close by.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S15 | Real Time GPS Tracking | 16 |
| S16 | Real Time Tracking Notifications | 16 |
|  | Story Point Sub-Total: | 32 |

# 

# 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: 1.23

Sprint Plan

# Sprint 1

Total Story Points: 10 Estimated Hours: 23  
 Hours taken: 22

## Current Velocity: undefined Story 03: Database design Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T1 | Design the database | 2 | 2 |
| T2 | Create the database in code | 2 | 10 |
| T3 | Write Test cases | 1 | 1 |
| T4 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 2 Total Hours: | 6 | 13.5 |

## Story 13: Create customer account Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T5 | Create a form on the website that can create new database entries | 2 | 1 |
| T6 | Write Test cases | 2 | 1 |
| T7 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 2 Total Hours: | 5 | 2.5 |

## Story 09: Edit customer information form Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T8 | Create a page in the website with a form for altering user data | 1 | 1 |
| T9 | Write Test cases | 2 | 1 |
| T10 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 2 Total Hours: | 4 | 2.5 |

## Story 22: Website home page Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T11 | Design a Home page for the service | 3 | 1.5 |
| T12 | Ensure it’s compatible with mobile devices | 2 | 0.5 |
| T13 | Write Test cases | 2 | 1 |
| T14 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 2 Total Hours: | 8 | 3.5 |

# Sprint 2

Total Story Points: 23 Total Hours: 50  
Hours taken: 53

## Current Velocity: 0.71

## Story 20: Update Delivery Request Form Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T1 | Create a form on the website that can update existing database entries | 2 | 4 |
| T2 | Write test cases | 2 | 1 |
| T3 | Verify story is complete(acceptance test) | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 5 | 5.5 |

## Story 12: Package Delivery Cost Estimator Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T4 | Create a cost per weight table | 1 | 6 |
| T5 | Link the weight given in the form to call a given cost | 2 | 6 |
| T6 | Write test cases | 2 | 1 |
| T7 | Verify story is complete(acceptance test) | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 6 | 13.5 |

## Story 21: Special Requirements Section Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T8 | Add a section on the form for special requirements | 2 | 1 |
| T9 | Write test cases | 2 | 1 |
| T10 | Verify story is complete(acceptance test) | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 5 | 2.5 |

## Story 23: Separate Website Sections Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T11 | Create a secure admin only section of the website | 2 | 2 |
| T12 | Write test cases | 2 | 1 |
| T13 | Verify story is complete(acceptance test) | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 5 | 3.5 |

## 

## Story 01: Record delivery information Story Points: 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T14 | Edit the website to allow looking up of Package information. | 1 | 1 |
| T15 | Write Test cases | 1 | 1 |
| T16 | Verify story is complete (acceptance test) | 1 | 0.5 |
|  | Story Points: 1 Total Hours: | 3 | 2.5 |

## Story 06: View daily deliveries Story Points: 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T17 | Edit the website to allow looking up of all entries in package delivery with a date filter | 2 | 3 |
| T18 | Write Test cases | 2 | 1 |
| T19 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 1 Total Hours: | 5 | 4.5 |

## Story 04: Customer delivery details form Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T20 | Create a form for customers to enter delivery details | 1 | 1 |
| T21 | Write Test cases | 2 | 1 |
| T22 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 2 Total Hours: | 4 | 3.5 |

## Story 24: Managing company employees Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T26 | Create a form for adding company employees in the manager section of the webpage | 1 | 2 |
| T27 | Create a form for editing company employees in the manager section of the webpage | 1 | 2 |
| T28 | Create a form for deactivating company employees in the manager section of the webpage | 1 | 2 |
| T29 | Write Test cases | 2 | 1 |
| T30 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 6 | 7.5 |

## 

## Story 07: Delivery request form Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T23 | Create a form for clients to request deliveries | 1 | 2 |
| T24 | Write Test cases | 2 | 1 |
| T25 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 4 | 3.5 |

## Story 02: Package information lookup (Part 1) Story Points: 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T31 | Allow users to lookup information about their packages | 2 | 3 |
| T32 | Allow users to edit information about their packages | 2 | 2 |
| T33 | Write test cases | 2 | 1 |
| T34 | Verify story is complete(acceptance test) | 1 | 0.5 |
|  | Story Points: 1 Total Hours: | 7 | 6.5 |

## Story 08: Mobile Application Functionality Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T16 | Ensure that delivery information is recordable when the website is accessed on a mobile device | 5 | 2 |
| T17 | Write test cases | 1 | 1 |
| T18 | Verify story is complete | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 6.5 | 3.5 |

## 

## Sprint 3

Total Story Points: 19 Total Hours: 62  
Hours taken: 62

## Current Velocity: 1.64

## Story 01: Record delivery information\* Story Points: 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T1 | Create a form for recording delivery information | 5 | 3 |
| T2 | Store the information from the form in the database | 4 | 5 |
| T3 | Write Test cases | 1 | 1 |
| T4 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 10.5 | 9.5 |

## Story 02: Package information lookup part 2\* Story Points: 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T5 | Let only the owner lookup information about all packages | 6 | 4 |
| T6 | Write test cases | 2 | 1 |
| T7 | Verify story is complete(acceptance test) | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 8.5 | 5.5 |

## Story 05: Label printing\* Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T8 | Retrieve relevant information about packages | 4 | 4 |
| T9 | Create logic to format the information into sticker form | 5 | 8 |
| T10 | Add a “create sticker” to the package information lookup page | 1 | 1 |
| T11 | Writ test cases | 1 | 1 |
| T12 | Verify story is complete(acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 11.5 | 14.5 |

## Story 06: View daily deliveries\* Story Points: 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T13 | Allow the owner and employees to view which deliveries need to be made on that day | 4 | 8 |
| T14 | Write Test cases | 1 | 1 |
| T15 | Verify story is complete (acceptance test | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 5.5 | 9.5 |

## Story 19: Delivery Delay notifications Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T19 | Add an email notification system for alerting users to delays in the delivery of their package | 5 | 4 |
| T20 | Write test cases | 1 | 1 |
| T21 | Verify story is complete | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 6.5 | 5.5 |

## Story 10: Package Delivery notifications Story Points: 6

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T22 | Add an email notification system for notifying users when their delivery is completed | 5 | 6 |
| T23 | Write test cases | 1 | 1 |
| T24 | Verify story is complete | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 6.5 | 7.5 |

## Story 11: Package Delivery Status Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T25 | Add a form on the website for users to view the status of their package | 5 | 5 |
| T26 | Write test cases | 1 | 1 |
| T27 | Verify story is complete | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 6.5 | 6.5 |

## 

## Sprint 4

Total Story Points: 15 Total Hours: 29

Hours taken: 44.5

## Current Velocity: 1.36

## Story 10: Package Delivery Notifications\* Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T1 | Add an email notification system for notifying users when their delivery is completed | 5 | 8 |
| T2 | Write Test cases | 1 | 1 |
| T3 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 6.5 | 9.5 |

## Story 19: Delivery Delay notifications\* Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T4 | Add an email notification system for alerting users to delays in the delivery of their package | 5 | 9 |
| T5 | Write test cases | 1 | 1 |
| T6 | Verify story is complete | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 6.5 | 10.5 |

## Story 20: Update Delivery Request Form\* Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T7 | Create a form on the website that can update existing database entries for users to modify their order information | 2 | 4 |
| T8 | Write test cases | 2 | 1 |
| T9 | Verify story is complete(acceptance test) | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 5 | 5.5 |

## Story 06: View daily deliveries\* Story Points: 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T10 | Edit the website to allow looking up of all entries in package delivery with a date filter | 2 | 4 |
| T11 | Write Test cases | 2 | 1 |
| T12 | Verify story is complete (acceptance test | 1 | 0.5 |
|  | Story Points: 1 Total Hours: | 5 | 5.5 |

## Story 12: Package Delivery Cost Estimator\* Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T13 | Create a cost per weight table | 1 | 6 |
| T14 | Link the weight given in the form to call a given cost | 2 | 6 |
| T15 | Write test cases | 2 | 1 |
| T16 | Verify story is complete(acceptance test) | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 6 | 13.5 |

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