**Release and Sprint Plans**

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**Release Plan**

# Release 1

Delivery date: end week 9 Total Story Points: 22

Provide an initial web structure which includes the basic functionality and database scaffolding for the customer stakeholder. Upon the completion of this release customers will have the ability to place orders with the company and view information on how to do so.

## Preliminary Front End and Database Scaffolding Setup

Creation of the pages which house the primary Customer stakeholder functionality

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| SRCX35 | Company Home Page | 2 |
| SRCX16 | Customer Account Creation | 4 |
| SRCX36 | Customer Login Page | 2 |
| SRCX17 | Customer Online Order Submission | 4 |
| SRCX9 | Unique Identifier for Orders | 1 |
|  | Story Point Sub-Total: | 15 |

## Front End Support Pages

Provide Customers with various support information

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| SRCX31 | Secure Passwords | 1 |
| SRCX25 | Company Contact Information Page | 2 |
| SRCX37 | Company About Page | 2 |
| SRCX28 | Customer FAQ Page | 2 |
|  | Story Point Sub-Total: | 7 |

# Release 2

Delivery date: end week 14 Total Story Points: 28

Provide initial functionality for the Drivers and Operator Stakeholders so that they may be able to manage and perform incoming orders from the customer front-end created in the last release.

## Initial Scaffolding and Page Creation for Drivers

Creation of the pages which house the basic operations performed by the delivery drivers

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| SRCX39 | Driver Login page | 2 |
| SRCX38 | Driver Management Page | 4 |
| SRCX21 | Driver Pickup Form | 4 |
| SRCX14 | Package Warehouse Arrival Record | 4 |
|  | Story Point Sub-Total: | 14 |

## Initial Scaffolding and Page Creation for Operators

Creation of pages which provide the basic operations performed by the operator

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| SRCX40 | Operator Login Page | 2 |
| SRCX42 | Operator Management Page | 4 |
| SRCX41 | View Current Orders and Status | 6 |
| SRCX18 | Payment Information Access | 2 |
|  | Story Point Sub-Total: | 14 |

# Release 3

Delivery date: Not Known Total Story Points: 26

Extend upon the functionality provided to all stakeholders to streamline and optimize their day-to-day processes. At the conclusion of this release the Driver stakeholder functionality will be largely complete with the customer functionality will have progressed further.

## Additional Customer Functionality

Further functionality provided to the customer in order to allow them to better manage their account and orders

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| SRCX27 | Special Delivery Orders | 2 |
| SRCX29 | Request Re-delivery of Package | 4 |
| SRCX26 | Customer Order History | 2 |
| SRCX23 | Customer Account Information Change | 2 |
| SRCX24 | Customer Favorite Recipients | 4 |
|  | Story Point Sub-Total: | 14 |

## Additional Driver and Operator Functionality

Creation of pages which provide the basic operations performed by the operator

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| SRCX15 | Mark Orders as Complete | 4 |
| SRCX19 | Driver Roster | 6 |
| SRCX12 | Service Range Index | 2 |
|  | Story Point Sub-Total: | 12 |

# Release 4

Delivery date: Not Known Total Story Points: 40

Implement the ‘nice to have’ functionality for all stakeholders that isn’t critical to the basic functionality of the system but would benefit all stakeholders from a feature perspective.

## Driver Management Features

Further functionality provided to the customer in order to allow them to better manage their account and orders

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| SRCX20 | Log Driver Mileage | 8 |
| SRCX32 | Driver Geo-Location Tracking | 16 |
| SRCX33 | Automated Route Calculation | 16 |
|  | Story Point Sub-Total: | 40 |

# Delivery Schedule

Each release will involve two sprints.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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, … | | | | | | | |

Sprint Plan

In order to plan the time estimates the following process will be used, firstly, the PERT Estimation Process will be applied in conjunction with extensive discussion with the developers to gauge the approximate time it will take for the following time categories (Optimistic, Most Likely, Pessimistic). An example of this is provided for the first task of the first user story in the sprint, however this process was conducted for all of the stories covered in the sprint.

**SRCX82** Create Local Repository and Remote and add developers to group

Therefore, task SRCX82 has an estimated time of 2 hours.

# Sprint 1

Total Story Points: 15 Total Hours: 70 hours

## Current Velocity: 15

## Story ID: SRCX35 Title: Company Home Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| SRCX82 | Create Local Repository and Remote and add developers to group | 1 hour |  |
| SRCX48 | Add Home Page route to routing file | 1 hour |  |
| SRCX49 | Create Controller for Home Page to handle route | 1 hour |  |
| SRCX83 | Mockup Home Page Design | 2 hours |  |
| SRCX50 | Create Home Page View | 1 hour |  |
| SRCX69 | Create Navigation Bar Partial | 1 hour |  |
| SRCX70 | Create Home Page Banner and Main Content | 1 hour |  |
| SRCX68 | User Acceptance Criteria | 1 hour |  |
| SRCX84 | Setup Deployment Server | 2 hours |  |
| SRCX86 | Deploy to Production Server | 1 hour |  |
|  | Story Points: 2 Total Hours: | 12 hours |  |

## 

## Story ID: SRCX16 Title: Customer Account Creation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| SRCX85 | Design Database Schema for Customers Table | 2 hours |  |
| SRCX43 | Database Scaffolding | 1 hour |  |
| SRCX44 | Database Migration | 1 hour |  |
| SRCX72 | Input Validation | 2 hours |  |
| SRCX45 | Create Controller | 1 hour |  |
| SRCX87 | Mockup Customer Account Creation Page Design | 3 hours |  |
| SRCX46 | Create and Style View | 4 hours |  |
| SRCX71 | Write Test Cases | 2 hours |  |
| SRCX54 | Refine Auto-Generated Customer Account Form | 3 hours |  |
| SRCX73 | User Acceptance Criteria | 2 hours |  |
| SRCX89 | Deploy to Production Server | 1 hour |  |
|  | Story Points: 4 Total Hours: | 22 hours |  |

## Story ID: SRCX36 Title: Customer Login Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| SRCX51 | Create Sessions Controller | 1 hour |  |
| SRCX88 | Mockup Login Page Design | 2 hours |  |
| SRCX53 | Create and Style Login View | 2 hours |  |
| SRCX52 | Creation of Login Form | 2 hours |  |
| SRCX74 | Write Test Cases | 2 hours |  |
| SRCX75 | User Acceptance Criteria | 2 hours |  |
| SRCX90 | Deploy to Production Server | 1 hour |  |
|  | Story Points: 2 Total Hours: | 12 hours |  |

## Story ID: SRCX17 Title: Customer Online Order Submission

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| SRCX92 | Design Database Schema for Orders Table | 2 hours |  |
| SRCX55 | Generate Database Scaffolding for Orders Table | 1 hour |  |
| SRCX56 | Migrate Database Schema | 1 hour |  |
| SRCX76 | Input Validation | 2 hours |  |
| SRCX77 | Write Test Cases | 2 hours |  |
| SRCX92 | Mockup Online Order Page Design | 3 hours |  |
| SRCX57 | Create and Style View | 4 hours |  |
| SRCX78 | Refine Auto-Generated Online Order Form | 2 hours |  |
| SRCX79 | User Acceptance Criteria | 2 hours |  |
| SRCX94 | Deploy to Production Server | 1 hour |  |
|  | Story Points: 4 Total Hours: | 20 hours |  |

## Story ID: SRCX9 Title: Unique Identifier for Orders

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| SRCX58 | Primary Key Constraint for Scaffolding | 1 hour |  |
| SRCX80 | Write Test Cases | 2 hours |  |
| SRCX81 | User Acceptance Criteria | 1 hour |  |
| SRCX91 | Deploy to Server and Run Production Migrations | 1 hour |  |
|  | Story Points: 1 Total Hours: | 5 hours |  |

Burn Down Chart Sprint One

The ideal burn down for sprint one involves the completion of all user stories defined, with none remaining to be completed in the next sprint. The fifteen story points account for 70 hours’ worth of estimated work over two weeks, if the estimates are correct then that will mean an average work load of 5 hours a day, with a final push of 10 hours toward the end. This value is perfect for an initial sprint as any issues that arise can be completed as they happen, as the five-hour work day allows for extra time to handle problems.