**Release and Iteration Plans**

**Project:** Rental Car Web Page with Database analysis

**Team:** Dev’s Angels (DA)

**Team Number:** 54

|  |  |
| --- | --- |
| **Student Number** | **Team Member Name** |
| n9741283 | Liam Dale |
| n9762116 | Marco Fiumara |
| n9723200 | Develyn Evans |
| n9366164 | Alice Hendicott |
| n9936947 | Christopher Stock |

**Tutor:** Miss Kerry Chu

**Version:** 2.0

**Date:** 22/08/2018

**Table of Contents**

[**Summary of the Project:**](#_98hlkrt30xoh) **3**

[**Release Plan**](#_24fqqfbfruy9) **5**

[Release 1](#_wjvjbhypllav) 5

[General Functionalities](#_txtpfob1n931) 5

[Data Analysis](#_phxhvgfi4ohe) 5

[Customer Functionalities](#_2hd5vtcjp2j9) 6

[Staff logged in](#_h64o29fksdid) 6

[Release 2](#_30lgxgl5yy30) 7

[Customer Requirements](#_4dqzekm49tnb) 7

[Customer Requirements](#_nr2rme410e3w) 7

[**Delivery Schedule**](#_ooymr0kdch6x) **7**

[Estimated Velocity per developer: 10 hours per week](#_lng6k0n9ntnq) 7

[Estimated Velocity for team: 30 hours per week](#_p9kqnoo04a6g) 7

[**Sprint Plan**](#_mi2y4330hxww) **8**

[**Sprint 1**](#_wlcymlyq4htd) **8**

[**Sprint 2**](#_4vyilnmtuzq9) **12**

[**Sprint 3**](#_ra0ux9rermnt) **17**

[**Appendix:**](#_j23bp6gueou8) **19**

# Summary of the Project:

Car Rental Company (CRC) has hired Dev’s Angel’s to assist them with developing an interactive data management web application for managing the company’s historical data for supporting business intelligence.

The database that connects to the web application should have the following base features:

1. Record the history of rental services by CRC customers. Should contain similar dimensions to: Customer\_Info, Car\_Info, Store\_Info, and Time.
2. They also want added analysis tools with specific importance placed on 2 in particular:
   1. Browse the number of different cars that are picked up or returned in some stores monthly.
   2. Car recommendations to customers.
      1. these recommendations should be based on: Car\_type, Customer\_Location and Time (Month).

The web application that we develop needs to include the following base features:

1. Staff or data analysts can use the app to pull data from the database and display this in tabular format with the ability to filter.
2. Customers should also be able to access the web application. Their view should allow them to view all cars available to rent. This access should require no login and also should have the added feature of giving recommendations based on user input.

We developed the story point estimates for our user stories using planning poker. The system involves each member of the group filling in a blank card using a scale of 1, 2, 4, 8,16, 32 (1 being the most simple and 32 being the most difficult); for each story. We reveal our numbers to each other and if the numbers do not agree are redone. Once agreed on the story point is allocated to the story.

We used “Planning Poker” to find the story points for each story. We believe this is the best method as it lets each team member have its say and enables us come to a consensus as a team on based on our ability and the functions.

Each story is graded under ‘MoSCoW’ with regards to their priority, as defined by:

M - Must have {This is a client requirement - the project will not function without}

o

S - Should have {Are important and deliver some value but not necessary for delivery}

C - Could have {Desirable but not necessary}

o

W - Wont have {This could be implemented in a later release, but is is beyond the resources of the project team}

# 

# **Release Plan**

## **Release 1**

Delivery date: 26/10/2018 Total Story Points: 237

Provides an initial webpage that allows staff to log in and to view data analysis information and reports such as a Customer Age Analysis. Customers can also view basic data from the database such as Cars by Type, Car Popularity by Season and Cars by Location.

### General Functionalities

These are the **Must** have, **Should** have and **Could** have functionalities that are applicable for both staff and customers.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **s01** | Homepage | 2 |
| **s02** | FAQs page | 1 |
|  | Story Point Sub-Total: | 3 |

### Data Analysis

These are **Must** have, **Should** have and **Could** have features for staff members to pull reports which analyse their data history.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **s03** | Cars By Season | 8 |
| **s34** | Reports Month Change | 16 |
| **s04** | Location Activity | 4 |
| **s05** | Customer Demographic | 16 |
| **s06** | Available Car Parks | 8 |
| **s07** | Inactive Cars | 8 |
| **s08** | Custom Report | 32 |
| **s09** | Data Export | 8 |
| **s10** | Report Dashboard | 16 |
|  | Story Point Sub-Total: | 116 |

### 

### 

### Customer Functionalities

This section outlines the **Must** have, **Should** have and **Could** have functionalities to be developed for the customers.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **s11** | Individual Car Stats | 4 |
| **s12** | Store Listing | 16 |
| **s13** | Car Listing | 2 |
| **s14** | Sort Car Listing | 2 |
| **s15** | Filter Car List | 8 |
| **s16** | Recommended Car | 16 |
| **s18** | Rental Request | 4 |
| **s19** | Customer Recommendation Feedback | 8 |
| **s20** | Customer Register | 4 |
| **s21** | Customer Log In | 2 |
| **s22** | Customer Upcoming Bookings | 4 |
| **s23** | Customer Update Details | 4 |
| **s24** | Customer History | 4 |
|  | Story Point Sub-Total: | 78 |

### Staff logged in

This feature is the added **Must** have, **Should** have and **Could** have features for staff other than data analysis.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **s25** | Staff login | 4 |
| **s26** | Customer Listing | 4 |
| **s31** | Current Order Display | 4 |
| **s32** | Process Current Orders | 16 |
| **s33** | Update Customer Details | 8 |
|  | Story Point Sub-Total: | 40 |

## **Release 2**

Delivery date: unknown Total Story Points: 28

Adds some additional items such the ability for staff members to reset their own passwords. Allows customers to submit rental requests to the staff, and allows the submission of problem/bug tickets.

### Customer Requirements

These **Won’t** have functionalities would assist the customers communication with staff through the webpage

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **s17** | Error Ticket Submission | 4 |
|  | Story Point Sub-Total: | 4 |

### Customer Requirements

This section outlines the **Won’t** have functionalities that would be developed for the customers.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **s28** | Staff Password Reset | 8 |
| **s29** | Staff Password Update | 4 |
| **s30** | Staff Password Security | 8 |
|  | Story Point Sub-Total: | 20 |

# 

# **Delivery Schedule**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 1 (27th August - 23rd September) | | | | Sprint 2 (1st October - 28th October) | | | |
| Release 1 | | | | | | | |

# 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week 14 | Week 15 | Week 16 | Week 17 | Week 18... |
| Sprint 3 (29th September - 26th October) | | | | Sprint 4… (27th October +) |
| Release 2 | | | | Release 3... |

## 

## Estimated Velocity per developer: 10 hours per week

## Estimated Velocity for team: 30 hours per week

# **Sprint Plan**

# **Sprint 1 - This sprint focuses on reporting data functionality**

Total Story Points: 36 Total Hours: 102

Current Velocity: Undefined

**Story 01: Homepage**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T01** | Create page titled ‘Homepage’ | 1 |  |
| **T02** | Add links to the view cars page and view stories page | 1 |  |
| **T03** | Add recommendation form to homepage - link to recommend car page on submit | 1 |  |
| **T04** | Create SQL to pull top 3 cars | 1 |  |
| **T05** | Set up geolocation and pull closest three locations | 2 |  |
| **T08** | Add button for newsletter signup | 1 |  |
| **T09** | Write test cases | 1 |  |
| **T10** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 2 Total Hours: | 10 |  |

**Story 02: FAQ Page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T62** | Create page titled ‘FAQs’’ | 1 |  |
| **T63** | Add questions with collapsible answers | 2 |  |
| **T64** | Write test cases | 1 |  |
| **T65** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 1 Total Hours: | 6 |  |

**Story 03: Cars by Season**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T11** | Create the SQL search query | 1 |  |
| **T12** | Have this display on the Report Page, in a tabular format | 2 |  |
| **T13** | Add the year switch that changes the year the report is based on | 1 |  |
| **T14** | Have data in bar graph from appear to right of the table. | 2 |  |
| **T15** | Add button(adjacent to title) for switching (pickup frequency) to days | 2 |  |
| **T16** | Write test cases | 2 |  |
| **T17** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 12 |  |

**Story 04: Location Activity**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T18** | Create the SQL search query | 1 |  |
| **T19** | Have this display on the Report Page, in a tabular format | 1 |  |
| **T20** | Add the year switch that changes the year the report is based on | 1 |  |
| **T21** | Data shown in a pie chart,(pickup and drop-off) by individual location | 2 |  |
| **T22** | Add a button (next to) pie chart that changes location | 1 |  |
| **T23** | Write test cases | 2 |  |
| **T24** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 10 |  |

**Story 05: Customer Demographic**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T25** | Create the SQL search query | 1 |  |
| **T26** | Have this display on the Report Page, in a tabular format | 1 |  |
| **T26** | Data shown in a pie chart, shows both genders divided by age. | 2 |  |
| **T27** | Write test cases | 2 |  |
| **T28** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 16 Total Hours: | 8 |  |

**Story 06: Available Car Parks**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T29** | Create the SQL search query | 1 |  |
| **T30** | Have this display on the Report Page, in a tabular format | 1 |  |
| **T31** | Data shown via Line graph, each point represents free parks each day | 3 |  |
| **T32** | Write test cases | 2 |  |
| **T33** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 9 |  |

**Story 07: Inactive Cars**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T34** | Create the SQL search query | 1 |  |
| **T35** | Have this display on the Report Page, in a tabular format | 1 |  |
| **T36** | Filter bar that allows increments of time period by 6 months | 2 |  |
| **T37** | Write test cases | 2 |  |
| **T38** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 8 |  |

**Story 10: Report Dashboard**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
|  | Add “Reports” option to the navigation bar | 1 |  |
| **T39** | Create “Report Dashboard” page this will show all reports available | 1 |  |
| **T40** | Add report overviews (Cars by Season, Location activity, Customer demographic, Availability and inactive cars. Including Graphs and etc) | 5 |  |
| **T41** | Each Report tile can be clicked to go to the full report. | 1 |  |
| **T42** | Write test cases | 2 |  |
| **T43** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 16 Total Hours: | 12 |  |

**Story 12: Store Listings**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T79** | Add “store listing” to the navigation bar | 1 |  |
| **T80** | Add “Store Listing” option to the drop down | 1 |  |
| **T81** | Create the SQL search query | 1 |  |
| **T82** | Have this display on the Report Page, in a tabular format | 2 |  |
| **T83** | Map integration enables customers to see closest stores to them(geolocation) | 5 |  |
| **T84** | Write test cases | 2 |  |
| **T85** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 16 Total Hours: | 14 |  |

**Story 13: Car Listing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T44** | Create the SQL search query | 1 |  |
| **T45** | Have this display on the Report Page, in a tabular format | 2 |  |
| **T46** | Write test cases | 2 |  |
| **T47** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 2 Total Hours: | 7 |  |

**Story 16: Recommended Car**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T52** | Add “Recommend me a car” option to the navigation bar | 1 |  |
| **T53** | Create a survey to take required info from a customer | 1 |  |
| **T54** | Create the SQL search query using the survey info and geolocation | 3 |  |
| **T55** | List 3 recommended cars for the customer | 2 |  |
| **T56** | Write test cases | 2 |  |
| **T57** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 16 Total Hours: | 11 |  |

**Story 25: Staff Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T58** | Create a username and login fields to the top right in the menu bar | 1 |  |
| **T59** | Create a table of staff members in the database | 1 |  |
| **T60** | Write test cases | 2 |  |
| **T61** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 2 Total Hours: | 6 |  |

**Story 21: Customer Log in**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T94** | Create a username and login fields to the top right in the menu bar | 1 |  |
| **T95** | Create a table of staff members in the database | 1 |  |
| **T96** | Write test cases | 2 |  |
| **T97** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 2 Total Hours: | 6 |  |

# **Sprint 2 - This sprint focuses on supplementary data display and website development**

Total Story Points: 116 Total Hours: 113

Current Velocity: 29

**Story 08: Custom Report**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T66** | Add “Customisable Report” report to the drop down | 1 |  |
| **T67** | Webpage that requests input from the client via dropdown boxes | 2 |  |
| **T68** | Create a button that executes the query | 1 |  |
| **T69** | Have a custom query that uses the input info to create a report | 2 |  |
| **T70** | Write test cases | 2 |  |
| **T71** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 32 Total Hours: | 10 |  |

**Story 09: Data Export**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T72** | Add a button to all report pages | 1 |  |
| **T73** | The button to generate a .csv file, which saves to the computer | 3 |  |
| **T74** | Write test cases | 2 |  |
| **T75** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 8 |  |

**Story 11: (Customer) Car Stats**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T76** | Modify customer reports to link to these pages when an individual car is selected | 3 |  |
| **T77** | Write test cases | 2 |  |
| **T78** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 7 |  |

**Story 19: Customer Recommendation Feedback**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T86** | Add form for feedback to popup when user reaches base of car recommendation page | 3 |  |
| **T87** | Write test cases | 2 |  |
| **T88** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 7 |  |

**Story 20: Customer Register**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T89** | Add button to main menu for ‘Register’ | 1 |  |
| **T90** | Add page to register | 1 |  |
| **T91** | Add form to registration page | 2 |  |
| **T92** | Write test cases | 2 |  |
| **T93** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 8 |  |

**Story 22: Customer Upcoming Bookings**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T98** | Add upcoming bookings section to account page with list of upcoming bookings | 2 |  |
| **T99** | Write test cases | 2 |  |
| **T100** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 6 |  |

**Story 34: Reports Month Change**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T140** | Add a filter bar to all report pages to allow filtering via month | 2 |  |
| **T141** | Write test cases | 2 |  |
| **T142** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 6 |  |

**Story 14: Sort Car List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T48** | Modify the View Cars page to allow advanced sorting (popularity, Price, A-Z) | 2 |  |
| **T49** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 2 Total Hours: | 4 |  |

**Story 15: Filter Car List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T50** | Modify the View Cars page to allow advanced filtering (Series, Body Type, transmission, Seating,... etc) | 3 |  |
| **T51** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 5 |  |

**Story 23: Customer Update Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T101** | Add customer profile and contact info to account page | 1 |  |
| **T102** | Add ‘Update details’ button | 1 |  |
| **T103** | Create functionality to update fields | 2 |  |
|  | Write test cases | 1 |  |
|  | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 7 |  |

**Story 24: Customer History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T104** | Add customer history section with past bookings | 1 |  |
| **T105** | Write test cases | 2 |  |
| **T106** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 7 |  |

**Story 26: Customer Listing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T107** | Add “customer listing” to the navigation bar | 1 |  |
| **T108** | Create the SQL search query | 1 |  |
| **T109** | Have this display on the Report Page, in a tabular format | 1 |  |
| **T110** | Write test cases | 2 |  |
| **T111** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 7 |  |

**Story 31: Current Order Display**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T112** | Display orders | 2 |  |
|  | Add button to update and process data | 1 |  |
| **T113** | Write test cases | 2 |  |
| **T114** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 7 |  |

**Story 32: Process Current Orders**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T115** | Add functionality to edit fields in current orders page, which corresponds to database | 2 |  |
|  | Add functionality to process orders, which corresponds to database | 1 |  |
| **T116** | Write test cases | 2 |  |
| **T117** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 16 Total Hours: | 7 |  |

**Story 33: Update Customer Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T118** | Add functionality to edit fields in customer listing | 2 |  |
|  | Add button to update data | 1 |  |
| **T119** | Write test cases | 2 |  |
| **T120** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 7 |  |

# 

**Story 35: Customer listings search**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T121** | Add form with dropdown for search type selection, text field for search input and search button | 1 |  |
| **T122** | Create SQL to search based on entered data | 1 |  |
| **T123** | Update data on screen based on SQL results | 1 |  |
| **T124** | Write test cases | 2 |  |
| **T125** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 7 |  |

# 

# **Sprint 3 - This focuses on supplementary, non critical features**

Total Story Points: 28 Total Hours: 33

Current Velocity: Undefined

**Story 17: Error Ticket Submission**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T126** | “Submit Bug” button on the main bar | 1 |  |
| **T127** | Create a webpage that requests a form to be completed | 2 |  |
| **T128** | Create a submit button that lodges the report | 1 |  |
| **T129** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 9 |  |

**Story 18: Rental Request**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T130** | “Submit Rental Request” button on the main bar | 1 |  |
| **T131** | Create a webpage that requests a form to be completed | 2 |  |
| **T132** | Create a submit button that lodges the report | 1 |  |
| **T133** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 6 |  |

**Story 28: Staff Password Reset**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T134** | “Reset Password” button near the login area of the menu bar | 1 |  |
| **T135** | Generate a python script that takes the username and sends an email with a temporary password. | 3 |  |
| **T136** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 6 |  |

**Story 29: Staff Password Update**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T137** | Add “Update Password” button under the login fields | 1 |  |
| **T138** | Create a dialog that requests the old password, new password and confirm password fields. | 1 |  |
| **T139** | If correct save the new password,show confirmation it was changed. | 1 |  |
| **T140** | Otherwise show error message. Request them to retry. | 2 |  |
| **T141** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 4 Total Hours: | 7 |  |

**Story 30: Staff Password Security**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T142** | Generate a python script that check the date against the last password set date | 3 |  |
| **T143** | If the password is out of date automatically bring up the password update page on staff sign in. | 1 |  |
| **T144** | Verify story is complete (acceptance tests) | 2 |  |
|  | Story Points: 8 Total Hours: | 6 |  |

# 