Release and Sprint Plans

Group 41 (The Sweaty Ants🐜) Team Members

|  |  |
| --- | --- |
| N9938184 | Natasha Peppler |
| N10014845 | Ferenc Gall |
| N9701664 | Katie Mitchell |
| N10275363 | Nik Shafiq Sirhan |
| N9720561 | Taylor Green |
| N10003274 | Joseph Dwyer |

Tutor: Jesse Germain Version: 1.0 Date: 23/08/2018

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## 

## Release Plan

### Release 1

Provide a functioning but not yet complete web application. Customers will be able to create and access personal accounts, view available cars and have recommendations based off their individual geography and time, filter the recommendations based on different car factors, view specifics of the individuals cars. Staff members will be able to create their own staff accounts, log in and out of their accounts, view the companies and certain customers past rental history, as to keep track of older rentals as well as allow them to modify and add to existing data.

**Delivery Date**: 24/10/2018

**Total story points**: 79

**Development**  
*The processes not relating to either the client or the customer, and only key parts of the development cycle.*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **10** | Creating mockups of UI | **4** |
| **9** | Client-side development testing | **6** |
| **19** | Customer Side development testing | **6** |
| **11** | Database Normalization | **6** |
|  | **Story Point sub-total:** | **22** |

**User Accounts**   
*Users and staff will be able to create and access accounts.*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **1** | Staff Account Functionality | **8** |
| **17** | User Account Functionality | **8** |
|  | **Story Point sub-total:** | **16** |

**Search and Filter Cars**  
*Users are able to search and view the available cars.*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **14** | Recommend cars | **6** |
| **15** | Filter car recommendations | **4** |
| **2** | View car browser | **6** |
| **3** | Filter car browser | **3** |
| **16** | View individual cars | **4** |
| **4** | View individual cars’ specifics | **4** |
|  | **Story Point sub-total:** | **27** |

**Rental History**  
*View the history of a particular customer, or the entire history of the company.*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **5** | View rental history | **3** |
| **8** | View user history | **4** |
|  | **Story Point sub-total:** | **7** |

**Manipulate Database**  
*Staff can edit, delete and add items to the database*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **6** | Modify data | **4** |
| **7** | Insert new data | **3** |
|  | **Story Point sub-total:** | **7** |

### Release 2

Provide a web application that supports scalability and implements more feature to provide a better user experience. Users will be able to access a reward system, view personal rental history, rent and pay for a car, modify their bookings, and update their personal account details. Further advanced features include webpage translation for foreign users, pre-booking add-ons and insurance, live customer service chat and

price match guarantee visuals.

**Delivery Date**: *To be negotiated*  
**Total story points:** 73  
  
**User account**  
*Customers are able to view their own rental history and update their account details.*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **18** | View personal rental history | **4** |
| **23** | Update personal account details | **4** |
|  | **Story Point sub-total:** | **8** |

**Renting a Car**

*Customers can rent a car they’ve chosen, modify their booking, and add any optional add ons or insurance for the vehicle.*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **20** | Rent car | **6** |
| **22** | Process payment for rented car | **8** |
| **21** | Modify booking | **3** |
| **25** | Optional Add ons | **6** |
| **26** | Pre-book renters insurance online | **8** |
|  | **Story Point sub-total:** | **31** |

**Customer Experience**

*Features to improve and enhance the customer’s experience with the web application and the company.*

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **27** | Live help chat window | **8** |
| **28** | Competitive pricing info | **6** |
| **24** | Different language options | **8** |
| **13** | Reward system | **6** |
| **12** | Scalability | **6** |
|  | **Story Point sub-total:** | **34** |

## Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **W6** | **W7** | **W8** | **W9** | **W10** | **W11** | **W12** | **W13** |
| Sprint 1 | | | | Sprint 2 | | | |
| Release 1 | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **W14** | **W15** | **W16** | **W17** | **W18** | **W19** | **W20** | **W21** |
| Release 2 | | | | | | | |

**Estimated velocity: 7**

***Calculation:***

*Teams size = 6*

*Teams days = 4 weeks × 5 days × 6 members  
Velocity cumulative=120×33% efficiency  
=39.67*

*Velocity = 39.67 / 6*

*= 7*

## Sprint Plan

### Sprint 1

**Total story points**: 45  
**Total hours**: 540  
**Current Velocity**: *undefined*

**Story ID 1: Staff Account Functionality**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Mockup creation | **10** |  |
| **2** | Process modelling | **6** |  |
| **3** | Plan and research the requirements and tools | **18** |  |
| **4** | Create the tables in the database | **16** |  |
| **5** | Code the webpage and Acc.creation form | **26** |  |
| **6** | Code based testing | **10** |  |
| **7** | Acceptance criteria testing to confirm story complete | **10** |  |
|  | **Total Hours: 96 Story Point: 8** |  |  |

**Story ID 2: View Car Browser**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Mockup creation | **8** |  |
| **2** | Process modelling | **8** |  |
| **3** | Connect to car database | **10** |  |
| **4** | Query MYSQL database | **10** |  |
| **5** | Display the retrieved car information in a table format | **12** |  |
| **6** | Close the connection to the database | **4** |  |
| **7** | Code based testing | **10** |  |
| **8** | Acceptance criteria testing to confirm story complete | **10** |  |
|  | **Total Hours: 72 Story Point: 6** |  |  |

**Story ID 5: View Rental History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Mockup creation | **2** |  |
| **2** | Connect to car database | **6** |  |
| **3** | Read/Retrieve customer rental history from the database | **8** |  |
| **4** | Display the customers rental history | **4** |  |
| **5** | Close connection with the database | **4** |  |
| **6** | Code based testing | **6** |  |
| **7** | Acceptance criteria testing to confirm story complete | **6** |  |
|  | **Total Hours: 36 Story Point: 3** |  |  |

**Story ID 8: View User History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Mockup creation | **10** |  |
| **2** | Connect to the history database | **10** |  |
| **3** | Query for all previous rental depending on user ID | **10** |  |
| **4** | Code based testing | **10** |  |
| **5** | Acceptance criteria testing to confirm story complete | **8** |  |
|  | **Total Hours:48 Story Point. 4** |  |  |

**Story ID 9: Client Side Development Testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Process modelling | **10** |  |
| **2** | Testing all inputs and outputs | **25** |  |
| **3** | Code based testing | **25** |  |
| **4** | Acceptance criteria testing to confirm story complete | **12** |  |
|  | **Total Hours: 72 Story Point: 6** |  |  |

**Story ID 11: Database Normalisation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Process modelling | **8** |  |
| **2** | Make the tables align with the rules of 1NF | **16** |  |
| **3** | Make the tables align with the rules of 2NF | **16** |  |
| **4** | Make the tables align with the rules of 3NF | **16** |  |
| **5** | Code based testing | **8** |  |
| **6** | Acceptance criteria testing to confirm story complete | **8** |  |
|  | **Total Hours: 72 Story Point: 6** |  |  |

**Story ID 14: Recommend Cars**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Mockup creation | **10** |  |
| **2** | Connect to car database | **12** |  |
| **3** | Compare customer specified dates and location to database | **20** |  |
| **4** | Display cars based off customer’s specifications | **15** |  |
| **5** | Code based testing | **10** |  |
| **6** | Acceptance criteria testing to confirm story complete | **5** |  |
|  | **Total Hours:72 Story Point: 6** |  |  |

**Story ID 19: Customer Side Development Testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estim.** | **Taken** |
| **1** | Process modelling | **10** |  |
| **2** | Testing all inputs and outputs | **25** |  |
| **3** | Code based testing | **25** |  |
| **4** | Acceptance criteria testing to confirm story complete | **12** |  |
|  | **Total Hours:72 Story Point: 6** |  |  |