**Group 85**

**Vicious & Delicious**

**Release and Sprint Plans**

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Sprint 1

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# **Release Plan**

## **Release 1**

Delivery date: 17 September 2015 Total Story Points: 31

The purpose of the first release is to provide an initial stable, albeit basic, usable version of the application. The business value delivered by this release includes delivery of all “Must-Have” user stories. This release provides a important base for future releases.

### **Accounts**

This feature is concerned with all primary aspects relating to user accounts. Once complete, users can create verified accounts with their QUT email, and admins can edit details where required. This is considered to be one of the most valuable and urgent aspects from the client’s perspective.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-2** | Account Creation | 4 |
| **EIGFIV-21** | Account Management | 2 |
| **EIGFIV-26** | User Login | 7 |
| **EIGFIX-31** | Account View | 2 |
|  | Story Point Sub-Total: | 15 |

### **Textbook Management**

This feature is important because it allows books to be entered into the system, and users to find books they might be looking for. Fundamental search capabilities are included, such as searching by name or author. Being able to submit and search for books is one of the key aspects of this application, and as such is to be included within the first release to provide business value in the form of functionality.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-32** | View Book Details | 2 |
| **EIGFIV-4** | Book Submission | 6 |
| **EIGFIV-10** | Book Search | 3 |
|  | Story Point Sub-Total: | 11 |

### **Communication Mechanisms**

This feature is concerned with communication between users, and between users and admins. Users will be able to contact another user or an admin. They will also be able to communicate in order to organise book delivery. This is also considered as one of the most urgent and valuable feature set, as this is how the users will use the system to realise real-world benefit.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-18** | Loaner Contact | 2 |
| **EIGFIV-6** | Book Delivery | 2 |
| **EIGFIV-9** | Admin Contact | 1 |
|  | Story Point Sub-Total: | 5 |

## **Release 2**

Delivery date: 22 October 2015 Total Story Points: 23

This release builds on Release 1, expanding with additional functionalities. These are not fundamental aspects, however they add important business value in the form of support user experience and addressing real-world issues. The token and ratings related features of this release provide assurance and to users and help infer integrity.

**TextBook Management Updates**

Updates to Textbook management so that a user may delete and or edit a book and its details.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-5** | Book Retraction | 2 |
| **EIGFIV-56** | Edit Book Details | 2 |
|  | Story Point Sub-Total: | 4 |

### Token **Management**

Tokens will be used to limit the borrowing of books by users on the site. After the implementation of these features there will be a sophisticated token system in place to manage each user’s token count and constrain their borrowing. This is an important feature set for motivating user community involvement.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-24** | Token Management | 9 |
|  | Story Point Sub-Total: | 9 |

### **Ratings**

This feature is aimed at implementing a rating system to allow users to provide feedback on other users. Having this will ensure that users can attain accurate information about the reliability of other users to ensure they do not loan books to, or borrow books from, untrustworthy users. As such, this is valuable to the client team. Having said this, since it is not a fundamental aspect of the website it has been delegated to Release 2.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-8** | Borrower Rating | 2 |
| **EIGFIV-16** | Quality Rating Viewable | 2 |
| **EIGFIV-17** | Loaner Rating Viewable | 3 |
| **EIGFIV-14** | Loaner and Book Rating | 3 |
|  | Story Point Sub-Total: | 10 |

## **Release 3**

Delivery date: N/A Total Story Points: 21

Release 3 is a hypothetical release, and includes the “Won’t-Have” user stories. The features designed to address these user stories still add significant business value to the product, but are not feasible within the time frame or have otherwise been rejected for being overly-complex.

### **Advanced Search and Textbook Tagging**

This feature provides functionality that improves and eases the textbook searching process. First of all, every book will have tags like “#science, #math”. Users may search all the books by tags. In addition, user can search through different information section such as username, book name, author name, date and other specifically, rather than only having a general search. As the ecosystem grows and the application contains many books, this advanced search will become increasingly valuable.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-29** | Advanced Search | 1 |
| **EIGFIV-28** | Book Tag Adding | 4 |
| **EIGFIV-13** | Book Tag Display | 3 |
|  | Story Point Sub-Total: | 8 |

### **Misc. Improvements**

This features includes miscellaneous improvements to the user experience, adding functionality for account access and deactivation, a support ticketing system for admins, and a simplified function for requesting a book be returned early. They do not provide enough business value to the clients to justify their inclusion within the first two releases, primarily due to the time frame, however they should be addressed in the near future if possible. It should be noted that contacting an admin or another user is a possibility right from Release 1, which can help address the issues that would otherwise be solved by shipping this feature, which is what unifies these stories.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-27** | Reset Password | 4 |
| **EIGFIV-3** | Account Deactivation | 3 |
| **EIGFIV-20** | Support Tickets | 3 |
| **EIGFIV-7** | Early Book Return | 3 |
|  | Story Point Sub-Total: | 13 |

## 

## **Delivery Schedule**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 Aug. 27 | Week 7 Sep. 3 | Week 8 Sep. 10 | Week 9 Sep. 17 | Week 10 Sep. 24 | Mid-Semester Break | Week 11 Oct. 8 | Week 12 Oct. 15 | Week 13 Oct. 22 |
| Sprint 1 | | Sprint 2 | | Sprint 3 | Sprint 3 | Sprint 4 | |
| Release 1 Sept. 17 | | | | Release 2 Oct. 22 | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Sprint 5 | | … | |  | |  | |
| Release 3, 4, … | | | | | | | |

**Estimated Velocity:**

21 story points / sprint (initial velocity of sprint 1)

This represents an average of 7 hours of development time per student for sprint 1, which is estimated to be achievable. This exceeds the required velocity to complete the 31 story points in Release 1. This is important considering an expectation of decreased availability later in the semester (due to other subject requirements).

# **Sprint Plan**

## **Sprint 1**

Total Story Points: 21 Total Hours: 42 Current Velocity: 0

### **Story ID: EIGFIV-2 Account Creation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T-01** | UX Design of Registration Page | 1 |  |
| **T-02** | Database Design of Accounts Table (SQL) | 1 |  |
| **T-03** | Test SQL Database Model | 1 |  |
| **T-04** | Build View (Front End) | 2 |  |
| **T-05** | Link Model Endpoints | 2 |  |
| **T-06** | Test Front End | 1 |  |
|  | Story Points: 4 Total Hours: | 8 |  |

### **Story ID: EIGFIV-26 User Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T-7** | Implement sending of verification email\*\* T-05 | 8 |  |
| **T-8** | Implement: update verification column state on verification | 4 |  |
| **T-9** | Test verification update properly | 2 |  |
|  | Story Points: 7 Total Hours: | 14 |  |

### **Story ID: EIGFIV-9 Administrator Contact**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T-10** | Create Navigation Bar | 1 |  |
| **T-11** | Build Contact Button with Mailto Link | 0.5 |  |
| **T-12** | Test Functionality | 0.5 |  |
|  | Story Points: 1 Total Hours: | 2 |  |

### 

### **Story ID: EIGFIV-4 Book Submission**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T-13** | UX Design of Submission Page | 1 |  |
| **T-14** | Build View for Submitting a Book | 3 |  |
| **T-15** | Database Design of Books Table (SQL) | 2 |  |
| **T-16** | Test SQL Database Model | 3 |  |
| **T-17** | Test Front End for Functionality | 3 |  |
|  | Story Points: 6 Total Hours: | 12 |  |

### **Story ID: EIGFIV-10 Book Search**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T-18** | UX Design of Home and Search Page | 1 |  |
| **T-19** | Build Home Page View (With Search Box) | 1 |  |
| **T-20** | Build Search Result Page View | 1 |  |
| **T-21** | Implement Query into Controller | 1 |  |
| **T-22** | Test Front End for Functionality | 1 |  |
| **T-23** | Test Database Model | 1 |  |
|  | Story Points: 3 Total Hours: | 6 |  |