**Group 85**

**Vicious & Delicious**

**Release and Sprint Plans**

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| --- | --- |
| **Student Number** | **Team Member Name** |
| **08742197** | Eric Briese |
| **08911762** | Andrew Cooper |
| **09164057** | Jack Christoffels |
| **09164022** | Lachlan Gepp |
| **09264205** | Elizaveta Konovalova |
| **08847410** | Olivia Ward |

**Tutor:** Artem Kulakov

**Version:** 2

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# **Release Plan**

## **Release 1**

Delivery date: 17 September 2015 Total Story Points: 25

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 Log-in | 7 |
| **EIGFIV-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 |
| **EIGFIV-56** | Edit Book Details | 2 |
|  | Story Point Sub-Total: | 13 |

### **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 | 4 |
| **EIGFIV-9** | Administrator Contact | 1 |
|  | Story Point Sub-Total: | 7 |

## **Release 2**

Delivery date: 22 October 2015 Total Story Points: 50

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.

**Accounts**

Managing accounts is an important part of any website or platform that allows users to create accounts. For Texchange, one major aspect was identified for development in Release 2. Resetting the password on an account is important for users who feel as though their password is known to others against their will.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-27** | Reset Password | 4 |
|  | Story Point Sub-Total: | 4 |

### Book Search - Google Books Integration

Allowing users to search for books based on suggestions is an important feature. However, too many books exist for manual addition of the books to be feasible. As a result, the best option is to integrate the Google Books API to automate this. This allows users to start typing in the name of their book they wish to search for or submit, and by connecting this API the site will automatically suggest relevant books, based on name, author etc.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-57** | Book Search Suggestions | 4 |
|  | 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-16** | Binary User Rating System | 10 |
|  | Story Point Sub-Total: | 10 |

## Communication & Borrowing Mechanisms

Providing users with the ability to communicate and borrow books is essential to the second Release of Texchange. Administrators will be able to respond to the inquiries made by users to answer their questions or resolve issues. The transaction process for borrowing a book will be operable, and retracting a book from the database will be possible. As this is not essential, but still very important, this has been placed in Release 2.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-88** | User Comment System | 8 |
| **EIGFIV-20** | Administrator Response | 3 |
| **EIGFIV-30** | Book Transaction Process | 10 |
| **EIGFIV-5** | Book Retraction | 2 |
|  | Story Point Sub-Total: | 23 |

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## **Release 3**

Delivery date: N/A Total Story Points: 24

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.

**Accounts**

Managing accounts is an important part of any website or platform that allows users to create accounts. For Texchange, one major aspect was identified for development in Release 3. Allowing users to deactivate their accounts is an important feature for those who no longer wish to use Texchange and not risk their account being hacked for manipulation.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-3** | Account Deactivation | 3 |
|  | Story Point Sub-Total: | 3 |

### **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 user name, 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 |
| **EIGFIV-19** | Book Tag Management | 4 |
|  | Story Point Sub-Total: | 12 |

### Textbook Management

Textbook management features allow for the users to have more control over the textbooks that they share and loan. They will be able to request early book returns, report incorrect information about books, place restrictions on borrowing (e.g. only available until Oct 27th) and searching for information about individual books. This was not seen as a necessary set of features for the website but will be added for the future Release.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **EIGFIV-7** | Early Book Return | 3 |
| **EIGFIV-12** | Book Reporting | 3 |
| **EIGFIV-22** | Borrowing Restrictions | 1 |
| **EIGFIV-11** | Book Information Search | 2 |
|  | Story Point Sub-Total: | 9 |

### **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.

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## **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).