**Shopping List**

**User Stories Prioritisation**

*Motivation*

In agile development the overall story of the final product needs to be cut in vertical slices to form small user stories, this will allow every release to contain a bit of GUI, LOGIC and BACKEND. This is so that every release has a bit of business value while maintaining progress in every development stages, thus ensuring product while moving towards the final product. With this explained, the tasks done per releases were done in terms of two parameters, which are *Difficulty and Business Value*. The former defines the difficulty of a task in terms of time required to implement it, man-power and resources while the latter defines a user story's significance to the client or user of the website. This document describes the guidelines of the for reasons of the difficulty and business value assignment for each task.

Table 1: Difficulty Assignment Criteria

| Value | Guidelines |
|-------|------------|
| 1 | • Task is relatively easy to implement<br>• Testing of Task is not required<br>• It does not require more than half an hour to Implement |
| 2 | • Task is relatively to Implement<br>• Only Few tests required<br>• Task can be implemented in half a day |
| 3 | • Moderate Testing is done<br>• Task Can be complimented in less than 1 day<br>• Task requires a bit of research |
| 4 | • Acceptable Number of testing is required<br>• Takes more than a day to finish<br>• Task require more than one group member to finish |
| 5 | • Task requires additional modules or APIs<br>• Extensive Testing is Required<br>• Task Is Requirement for Site Functionality<br>• Task takes more than 2 days to complete |

Table 2: Business Value Assignment Criteria

| Value | Guidelines |
|-------|------------|
| 1 | • Has no business value either to site or client<br>• Only required by developer |
| 2 | • Has no business value<br>• Implementation can be seen on website |
| 3 | • Has sufficient value to site<br>• Required by client/user |
| 4 | • Task is a Necessity for the site<br>• Has Business Value to user/client |
| 5 | • Basic Functionality of the Shopping List<br>• Forms as part of Major User Story |

Note: The User stories highlighted in red were for the first sprint i.e. the textbooks website which was latter scratched out due to its irrelevant-ness to the shopping list

Table 3: User Story with Associated difficulty and business value

| ID | User Story | Difficulty | Business Value |
|---|---|---|---|
| 1 | Search Textbooks | 1 | 4 |
| 2 | Generate Quotation | 2 | 3 |
| 3 | Indicate Sharing Preferance | 4 | 5 |
| 4 | Payment Method | 4 | 4 |
| 5 | Choose Collection Point | 3 | 4 |
| 6 | Register Manually | 4 | 5 |
| 7 | Register Through Google | 4 | 5 |
| 8 | Initiate Shopping List | 1 | 5 |
| 9 | Add to List | 1 | 5 |
| 10 | Delete from List | 1 | 5 |
| 11 | Categorize List | 4 | 5 |
| 12 | Input Price Estimate | 1 | 3 |
| 13 | Compare List to Budget | 1 | 3 |
| 14 | Rank According to Importance | 4 | 3 |
| 15 | Save Created List | 3 | 5 |
| 16 | Send List to Friend | 5 | 5 |
| 17 | Approve List | 3 | 5 |
| 18 | Save Approved List | 1 | 5 |
| 19 | Edit Shared List | 5 | 5 |
| 20 | Print List In PDF | 5 | 5 |