Bantu PicknPay Shopping List User Story Mapping

I. Sprint 1

The user stories that the development team implemented in the first release is based on a website whose main function is to sell textbooks to students. The site is supposed to have the functionality allowing students to create a list of needed textbooks as well as being able to share this created list with other users. Figure 2 shows the story board which was implemented for release 1.

A. User Journey

The original user story map is intended for two type of students and within those, two types of subsets of these particular students. These students are classified as a senior-sponsored, senior-self-funding, freshman-sponsored and freshman-self-funding students, making four user in total. This is depicted in figure 1
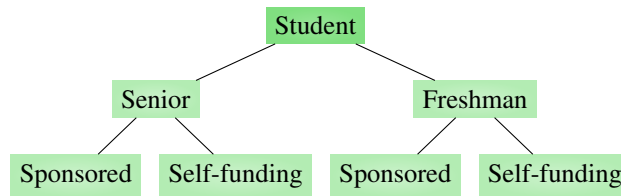
forest

Fig. 1: Original Users

The user stories varied from a student who knows what they textbooks they need and doesn't care much about the quality of the textbook, to a student who has a strict budget and doesn't know exactly which textbooks to purchase. Table I is an overview of the scrum board produced for the development tasks relating to the story board seen in figure 1.

TABLE I: Sprint 1 Summary

Sprint #1	Difficulty (Out of 5)	Value (Out of 5)	Developer Responsible
Browse all textbooks functionality	1	4	N. Ndlovu
Generate quotation	2	3	E. Mamba
Remove books from list	3	5	Z. Malinga
Checkout list	2	5	E. Mamba
User login (Using Google API)	4	5	S. Lekoba & N. Ndlovu

The particular detail to these stories is left out in this documents as the development team, through collaborative work and the use of Agile methodologies, altered the story map and user journey stories for the remainder of the development release, being release 2 to 4. The ideas, discussions and decisions implemented in the development sprints and sprint review meetings can be seen in section II.
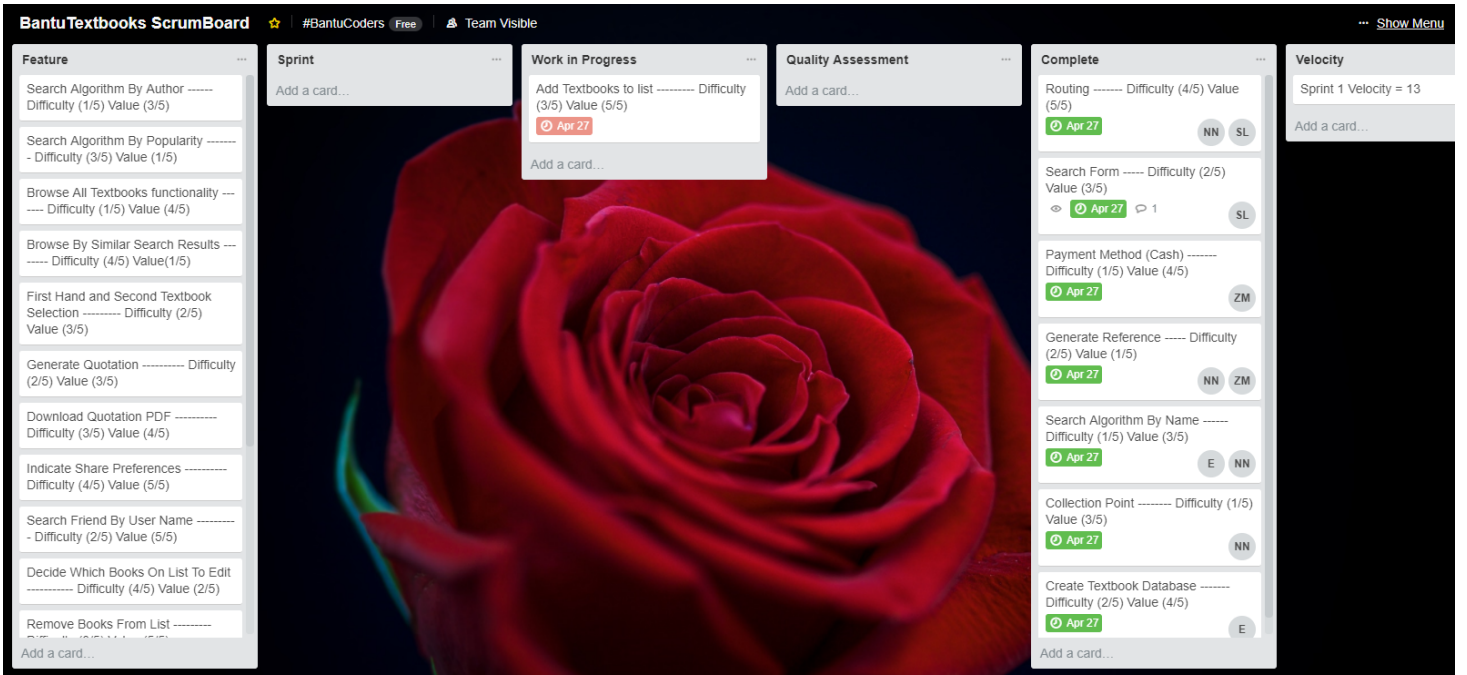

Fig. 2: Original story map

Fig. 3: First sprint conclusion scrum board

II. RELEASE AND SPRINT REVIEW

In the first sprint, and subsequently, the first release, the developers were able to complete the the allocated sprint tasks, culminating in a total velocity of 13, which can be seen on the Trello board shown in figure 3. The sprint review meeting yeilded the following realisations and decisions moving forward to the next sprint and release:

- The 5 user stories implemented in the first sprint, according to the development team, still count towards the needed total of 20 sprints for the entire project.
- The task and time management of the development team needs to be improved in order to avoid rushed releases.
- The development team went out of scope in their functionality.
- The development team needs to come up with a totally new approach.
- An entirely new user journey and user story map needs to be developed, to be in line with the project scope and requirements.

III. SPRINT 2

The current user story map can be seen in figure 4. The stories are less than the original amount due the reason stated above regarding the total number of sprints.

A. User Journey

B. Sprint Outline

From the newly developed user story map, 17 development tasks are identified. Seven tasks are placed into the sprint for that particular week. This setup can be seen in table II.

TABLE II: Sprint 2 Summary

Sprint #1	Difficulty (Out of 5)	Value (Out of 5)	Developer Responsible
Create shopping list	3	5	S. Lekoba
Save created list	3	5	E. Mamba
Input an estimated budget	1	1	Z. Malinga
Input price estimate	1	1	Z. Malinga
Compare list to budget	1	1	E. Mamba
Print final list to .pdf	3	3	N. Ndlovu

IV. RELEASE AND SPRINT REVIEW

V. SPRINT 3

VI. RELEASE AND SPRINT REVIEW

VII. SPRINT 4

VIII. RELEASE AND SPRINT REVIEW

Getting Started With Software	Decide To Go Shopping	Look At What's Needed			Sharing Created List	Checkout List
Create Profile	See What Type Of Food You Need	Identify Grocery Supply SHortages	Check How Much Money Is Available	Prioritize List	Share With Friend/Roomate	Print List

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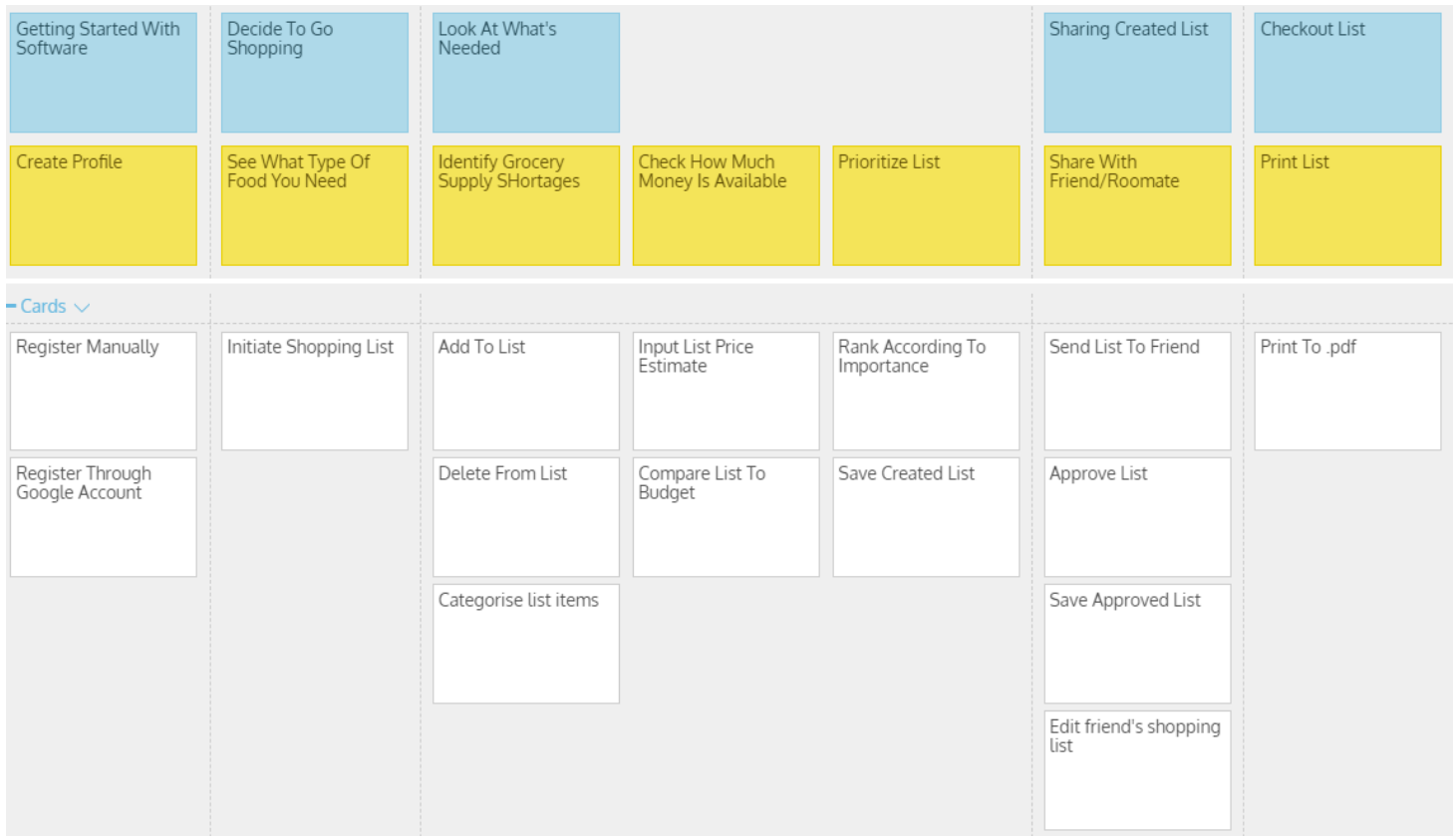| Register Manually	Initiate Shopping List	Add To List	Input List Price Estimate	Rank According To Importance	Send List To Friend	Print To .pdf
Register Through Google Account		Delete From List	Compare List To Budget	Save Created List	Approve List	
		Categorise list items			Save Approved List	
					Edit friend's shopping list	

Fig. 4: Current user story map