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Sprint Planning And Burndown Charts: **Project: Tutor Me *by* CapsOn**

1. Introduction

The Tutor Me project is an idea that aims to provide a platform where students that need help academically can easily find a tutor that can help them with specific modules. This project will be useful especially now that the covid-19 pandemic has made it much difficult to have face-to-face conversations, ask for help with their studies from fellow students, and interact with lecturers for additional assistance. As with the rest of the world, every matter related to students is moving towards being digital and virtual.

We chose to work with sprints of length 2 weeks. In which each Sprint is scheduled in the following way:

- **Sprint 1:** 28 April - 12 May
- **Sprint 2:** 13 May - 27 May
- **Sprint 3:** 28 May - 13 June
- **Sprint 4:** 13 June - 27 June
- **Sprint 5:** 28 June - 12 July
- **Sprint 6:** 13 July - 27 July

2. User Stories and Use case Table

Key: Completed

Sprint 1
Sprint 2
Sprint 3
Sprint 4
Not completed

User Stories	Use Cases/Functionality
As a user, I want to register as a Tutee	Tutor/Tutee Register && Login
As a user, I want to register as a Tutor	
As a user, I want to login as a Tutee	
As a user, I want to login as a Tutor	
As a user, I want to set up my profile. I want to be able to upload my profile picture and bio, as well as add modules I am interested in.	Tutee Profile setup Tutor Profile setup
As a user, I want to be able to customize my app. Dark/Light mode. I want to be able to use the app any time of the day.	Color Customization
As a user, I want to select the modules I need tutoring for.	Module Selection
As a user, I want to select the modules I want to tutor.	
As a user, I want to send requests to tutors that I want to tutor me.	Tutor Request
As a user I want to be able to see available tutors	
As a user, I want to reject or accept requests from tutee's. This is to allow me tutor students I am comfortable with.	
As a user, I want to chat with other users on a one-to-one	One-one Chat

basis.	
As a user, I want to create a group chat for students requiring assistance with the same modules or subjects.	Group chat creation
As a user, I want to chat with other users in a group chat.	Group chat
As a user, I want to communicate with other users via video calling.	Video Call
As a user, I want to be able to mute my mic during the video call	
As a user I want to be able to block my camera from capturing anything during the video calling	
As a user(Tutor) , I want to be able to kick out students who might be misbehaving during the tutoring session	
As a user I want to be able to share my screen for better elaboration.	Screen Sharing
As a user I want to be able to see my tutor's screen or some sort of black board	
As a user I want to see whether or not any of my contacts are online	Status View
As a user I want to test if my Camera and mic works before going in the video conference	Video call test
As a user(Tutor) I want to be able to be able to see the tutees that are under me	Tutee view
As a user, I want to choose/select a tutor according to my preferences. Age and gender being specific. I want to be comfortable with the person teaching me.	Tutor selection
As a user(Tutor), I want to able to upload my transcript as well as my Id for review	Validate tutor
As a user(Tutee) I want to be able to to see the tutors that are available.	View Tutors Available
<ul style="list-style-type: none"> - As a user, I want to be able to search from available and suggested tutors as well as filter them - As a user I want to be able to search and filter from tutor's tutees 	Search and filter

Total: 30 , UserPoints: 240 as of yet	17
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3. Sprint 1 (22 user points)

Sprint 1 mostly comprised of research as well as the compilation of the SRS document (still to be edited as we are using an agile approach).

- Front-end:
 - Created a prototype for the use cases we planned on demoing on the 13th Of May ,using Figma.
 - Implemented Interfaces using the flutter framework and dart language.
- Back-end:
 - Created our database and tables using microsoft sql
 - Created our mock API and endpoints but couldn't use as we had connection issues.
 - Most of backend was research

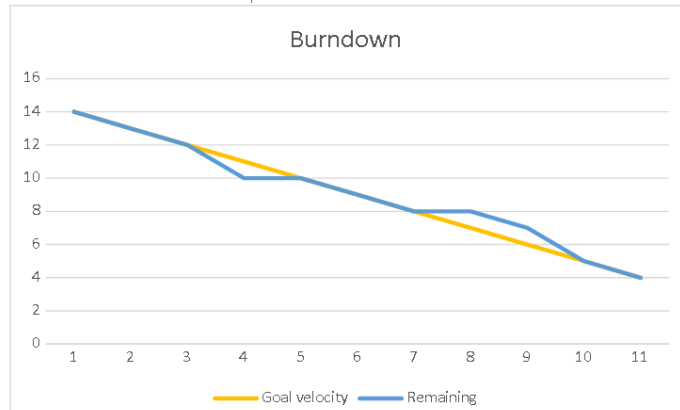
We managed to do mock ups for 3 use Cases :

- Tutors available view
- Tutee profile setup
- Tutor request

We planned on completing 3 user stories and assigned points to each which accumulated to 22

Sprint 1 BURNDOWN CHART

Days	Goal	Done	Goal velocity	Remaining
0	0	0	14	14
1	1	1	13	13
2	1	1	12	12
3	1	2	11	10
4	1	0	10	10
5	1	1	9	9
6	1	1	8	8
7	1	0	7	8
8	1	1	6	7
9	1	2	5	5
10	1	1	4	4
11	1	1	3	3
12	1	0	2	3
13	1	2	1	1
14	1	1	0	0



4. Sprint 2 (28 user points)

We managed to connect the database and create a working API. We developed

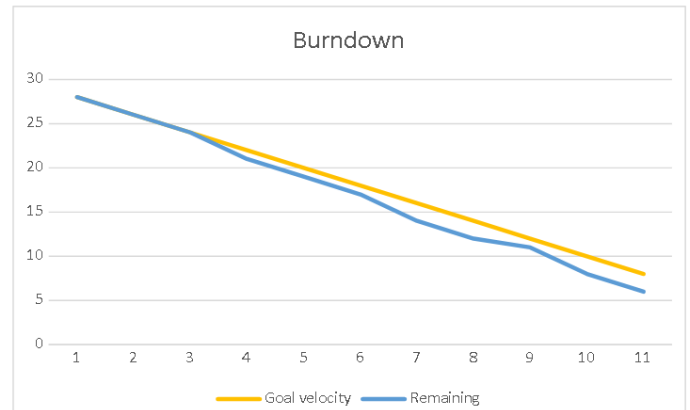
- Front-end:
 - Created a prototype for the use cases we planned on demoing on the 10th Of June ,using Figma.
 - Implemented Interfaces using the flutter framework and dart language.
- Back-end:
 - Created our database and tables using microsoft sql
 - Created our API with its endpoints
 - Implemented backend functionality for our Sprint 1 use cases

We managed to complete 3 use Cases :

- **Tutee Profile setup**
- **Search and filter**
- **Tutee view**

Sprint 2 BURNDOWN CHART

Days	Goal	Done	Goal velocity	Remaining
0	0	0	28	28
1	2	2	26	26
2	2	2	24	24
3	2	3	22	21
4	2	2	20	19
5	2	2	18	17
6	2	3	16	14
7	2	2	14	12
8	2	1	12	11
9	2	3	10	8
10	2	2	8	6
11	2	1	6	5
12	2	2	4	3
13	2	2	2	1
14	2	1	0	0



5. Sprint 3

We are currently in Sprint 3 .

- Front-end:
 - Created a prototype for the use cases we planned on demoing on the 10th Of June ,using Figma.
 - Implemented Interfaces using the flutter framework and dart language.
- Back-end:
 - Created our database and tables using microsoft sql
 - Created our API with its endpoints
 - Implemented backend functionality for our Sprint 1 use cases
 - Hosted API and database online

We managed to complete 3 use Cases :

- **Module Selection**
- **Status View**

Burndown Chart still to come, As sprint 3 ends on the 13th Of June