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**Team 31 – Sprint 2 Planning Document**

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**Sprint​ ​Overview**

Our goal for this sprint is to complete the necessary functionalities of the Carnet user’s notebooks. First, we will ensure that users are able to create notebooks and create new pages in any notebook through the user dashboard that is accessed upon authentication. Then we will work towards programming out a backend and frontend where the user can easily add text to a notebook, delete text and also beautify or update text. All these functionalities together will allow the user to be able to easily access their notebooks/notebook pages and store whatever information they would like to in them. The focus of this sprint is on the user and their necessities which will allow for a smooth user experience.

**SCRUM​ ​Master**:​ ​​Sripath Mishra

**Meeting​ ​Plan**:​ ​​Monday 4:30-6:00 PM, Thursday 4:30-6:00 PM

**Risks​ ​and​ ​Challenges**

The challenge that we face as a team at this moment is keeping proper communication between the team, the project coordinator, and the grader. The last sprint we lost quite a few points as we were unsuccessful in completing some of the tasks by the sprint review date and we do not want to repeat this again. We will ensure that proper work is being done and that will come with taking initiative towards creating a good and functional project and of course with communication. Another challenge is for the scrum master to make sure that everyone is maintaining and working on all documents.

The risk that is mainly involved in this sprint is ensuring that development is being done on time. As for the project end, we must continue towards building a good project and this can only be done by unit testing and integration testing properly, which is part of all our tasks for the user stories. A lot of our challenges and risks, however, were tackled in the first sprint as it was a new team but now that everyone is settled in, there is only focus on continuing the good work and staying on top of time.

**Current​ ​Sprint​ ​Details**

**User​ ​Story​ ​5:**

As a user, I would like to be able to open any page of my notebook

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Selecting the desired notebook to open | 2 | Shivangi |
| 2 | Fetching data from the database | 2 | Shivangi |
| 3 | Projecting notes on the screen | 3 | Sripath |
| 4 | Testing and Quality Assurance. | 2 | Sidharth |

Acceptance​ ​Criteria:

* ● Given the notebook exists in the database, the user should be able to select and open the desired notebook.
* ● Given the user selects a different notebook, fetch its data from the database.
* ● Given the data is fetched from the database, project the notes onto the screen.

**User​ ​Story​ ​9:**

As a user, I would like to be able to insert text in the notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Fetch data from the database | 3 | Shivangi |
| 2 | Permit the user to insert text in the notebook | 2 | Shivangi |
| 3 | Save the changes | 2 | Sripath |
| 4 | Unit Testing: Test Input | 3 | Sidharth |

Acceptance​ ​Criteria:

* ● Given the notebook exists in the database, the user should be able to fetch the data from the database.
* ● Given the user opens the desired notebook, permit the user to insert text in the notebook.
* ● Given the user inserts text in the notebook, save the changes.
* ● Given the user saves the changes to the database, the testing phase should show positive results.

**User​ ​Story​ ​10:**

As a user, I would like to be able to update text in the notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Fetch data from the database | 3 | Shivangi |
| 2 | Permit the user to update text in the notebook | 2 | Shivangi |
| 3 | Save the changes | 2 | Sripath |
| 4 | Unit Testing: Test Input updation | 3 | Pooja |

Acceptance​ ​Criteria:

* ● Given the notebook exists in the database, the user should be able to fetch the data from the database.
* ● Given the user opens the desired notebook, permit the user to update text in the notebook.
* ● Given the user updates text in the notebook, save the changes.
* ● Given the user saves the changes to the database, the testing phase should show positive results.

**User​ ​Story​ ​11:**

As a user, I would like to be able to delete text in the notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Fetch data from the database | 3 | Shivangi |
| 2 | Permit the user to delete text in the notebook | 2 | Shivangi |
| 3 | Save the changes | 2 | Sripath |
| 4 | Unit Testing: Test Input deletion | 3 | Pooja |

Acceptance​ ​Criteria:

* ● Given the notebook exists in the database, the user should be able to fetch the data from the database.
* ● Given the user opens the desired notebook, permit the user to delete text in the notebook.
* ● Given the user deletes text in the notebook, save the changes.
* ● Given the user saves the changes to the database, the testing phase should show positive results.

**User Story 12:**

As a user, I would like to be able to beautify text in the notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Permitting the user to bold the text | 3 | Siddharth |
| 2 | Permitting the user to underline the text. | 2 | Sripath |
| 3 | Permitting the user to change the text to italics | 3 | Sripath |
| 4 | Permitting the user to alter the text size | 2 | Shivangi |
| 5 | Unit Testing: Test Input beautification | 3 | Pooja |

Acceptance​ ​Criteria:

* ● Given the user wants to beautify text in the notebook, permit him/her to bold the text
* ● Given the user wants to beautify text in the notebook, permit him/her to underline the text
* ● Given the user wants to beautify text in the notebook, permit him/her to change the text to italics.
* ● Given the user wants to beautify text in the notebook, permit him/her to change the text to italics.
* ● Given the user saves the changes to the database, the testing phase should show positive results.

**User​ ​Story​ ​25:**

As a user, I would like to be able to search other public notebooks by their titles, owners, etc.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Create backend route for searching notebooks. | 2 | Sripath |
| 2 | Allow the route to search a notebook by owner, and title of the notebook. | 2 | Sripath |
| 3 | Create UI for the search notebook | 3 | Siddharth |
| 4 | Link the frontend and the backend | 3 | Shivangi |
| 5 | Unit testing and integration testing. | 3 | Pooja |

Acceptance​ ​Criteria:

● The backend should return the list of the notebook by owner and title.

● The frontend should allow the user to search for users.

● The backend should return error messages for wrong input.

● The frontend should handle all the errors and successful messages given by the backend.

**User​ ​Story​ ​26:**

As a user, I would like to be able to like, dislike and linear comment about a notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Create a backend route for getting and updating likes, dislikes and comment for a notebook. | 2 | Sripath |
| 3 | Create UI for the comment, likes and dislike about a notebook | 3 | Siddharth |
| 4 | Link the frontend and the backend | 3 | Shivangi |
| 5 | Unit testing and integration testing. | 3 | Pooja |

Acceptance​ ​Criteria:

● The backend should return the likes, dislikes, and comments on a notebook.

● The frontend should allow the user to like, dislike and linear comment about a notebook.

● The backend should return error messages for wrong input.

● The frontend should handle all the errors and successful messages given by the backend.

**User​ ​Story​ ​27:**

As a user, I would like to be able to subscribe to another user or any updates on a notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Create a backend route for subscribing to a notebook and to send notifications to the user upon request. | 2 | Sripath |
| 3 | Create UI for the subscribing the notebook and to view the notification. | 3 | Siddharth |
| 4 | Link the frontend and the backend | 3 | Shivangi |
| 5 | Unit testing and integration testing. | 3 | Pooja |

Acceptance​ ​Criteria:

● The backend should allow the user to subscribe to a notebook and to send notifications to the user upon request.

● The frontend should allow the user to subscribe to the notebook and to view the notification.

● The backend should return error messages for wrong input.

● The frontend should handle all the errors and successful messages given by the backend.

**Incomplete User Stories**:

**User​ ​Story​ ​4:**

As a user, I would like to be able to easily navigate to a personal Notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Selecting the desired notebook to open | 2 | Siddharth |
| 2 | Fetching data from the database | 2 | Siddharth |
| 3 | Projecting notes on the screen | 3 | Siddharth |
| 4 | Testing and Quality Assurance. | 2 | Sripath |

Acceptance​ ​Criteria:

* ● Given the notebook exists in the database, the user should be able to select and open the desired notebook.
* ● Given the user selects a different notebook, fetch its data from the database.
* ● Given the data is fetched from the database, project the notes onto the screen.

**User​ ​Story​ ​7:**

As a user, I would like to be able to create new notebooks.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Create​ a new notebook​ ​in​ the ​database | 2 | Sripath |
| 2 | Create​ ​notebook​ ​model in the backend | 2 | Sripath |
| 3 | Allow the logged in user to be able to access the new notebook | 3 | Sripath |
| 4 | Create the UI for a new notebook | 4 | Siddharth |
| 5 | Save the changes in the database | 2 | Sripath |
| 6 | Testing (unit and integration) | 2 | Shivangi |

Acceptance​ ​Criteria:

* ● Given the notebook does not exist in the database, create a new notebook.
* ● Given the creation of the network model in the backend, allow user access to the new notebook.
* ● Given the user opens the new notebook, create the UI for it.
* ● Given the user inputs data onto the new notebook, save the changes in the database.

**User​ ​Story​ ​8:**

As a user, I would like to be able to create new pages in any notebook.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Create a new page in the database | 2 | Shivangi |
| 2 | Create the new page model in the database | 2 | Pooja |
| 3 | Allow the user to be able to create and access the new page in a notebook | 3 | Shivangi |
| 4 | Create the UI for the new page | 3 | Pooja |
| 5 | Unit​ ​test-​ ​correct​ ​and​ ​incorrect​ ​input, the user is authenticated | 3 | Pooja |

Acceptance​ ​Criteria:

* ● Given that the new page creation is functional, a user should be able to add a new page to the database
* ● Given that the new page creation is functional, the new page should be added to the database
* ● Given that the new page creation is functional, the user should be able to access the new page

**User Story 24:**

As a user, I would like to be able to make my notebooks private.

Task​ ​Table:

|  |  |  |  |
| --- | --- | --- | --- |
| Task​ ​Number | Description | Time | Task​ ​Owner |
| 1 | Create UI for making private/ public | 3 | Siddharth |
| 2 | Backend for private/ public | 2 | Sripath |
| 3 | Create Database model for private/public | 3 | Pooja |
| 4 | Unit Test: Input testing | 2 | Pooja |

Acceptance​ ​Criteria:

* ● Given the user has an account, when they are logged in they should be able to create a private notebook which is not viewable by any other user.
* ● Given the user has an account, when they are logged in they should be able to create a public notebook which is viewable by any other user.
* ● Given the developer has access to the database, they should be able to view if the correct changes are made in the database when a notebook is made public or private.

**Product​ ​Backlog**

Note: The ones Highlighted will be done in Sprint 2

~~1. As a user, I would like to be able to register for a Carnet account.~~

~~2. As a user, I would like to be able to login and manage my Carnet account.~~

~~3. As a user, I would like my password to be reset if I forget it.~~

~~4. As a user, I would like to be able to easily navigate to a personal Notebook.~~

~~5. As a user, I would like to be able to open any page of my notebook~~

~~6. As a user, I would like to be able to easily access Carnet across all of my web-enabled devices.~~

~~7. As a user I would like to be able to create new notebooks.~~

~~8. As a user, I would like to be able to create new pages in any notebook.~~

~~9. As a user, I would like to be able to insert text in the notebook.~~

~~10. As a user, I would like to be able to update text in the notebook.~~

~~11. As a user, I would like to be able to delete text in the notebook.~~

~~12. As a user, I would like to be able to beautify text in the notebook.~~

13. As a user, I would like to be able to insert pdf as images in the notebook.

14. As a user, I would like to be able to update pdf images in the notebook.

15. As a user, I would like to be able to delete pdf images in the notebook.

16. As a user, I would like to be able to insert text over pdf images.

17. As a user, I would like to be able to update text over pdf images.

18. As a user, I would like to be able to delete text over pdf images.

19. As a user, I would like to be able to beautify text over pdf images.

20. As a user, I would like to be able to save any changes made in the notebook.

21. As a user, I would like to be able to edit notebooks after they have been saved.

22. As a user, I would like to be able to organize the notebooks in folders.

23. As a user, I would like to be able to share my notebook or make my notebooks public.

~~24. As a user, I would like to be able to make my notebooks private.~~

~~25. As a user, I would like to be able to search other public notebooks by their titles, owners, etc.~~

~~26. As a user, I would like to be able to like, dislike and linear comment about a notebook.~~

~~27. As a user, I would like to be able to subscribe to another user or any updates on a notebook.~~

28. As a user, I would like to be able to edit any notebooks which I have been given access to by the owner.

~~29. As a user, I would like to have a way to connect to the developers for providing feedback~~

~~30. As a Software Developer, I would like to have a continuous development and continuous integration pipeline.~~

~~31. As a Software Developer, I would like to have a Docker container for local testing.~~