Project Planning - [Milestone, Activity List & Sprint Delivery Plan]

Date	28 October 2022
Team ID	PNT2022TMID08829
Project Name	Exploratory Analysis of Rainfall Data in India for Agriculture
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement [Epic]	User Story Number	User Story / Task / Activity	Story Points	Priority	Team Members
Sprint-1	Registration login	USN-1	User can register for the application by entering his or her email, password, and confirm password.	4	High	Vigashini, Haelen Mary
Sprint-1		USN-2	Enter the username and password to login to the application	3	High	Baby Shalini, sweatha
Sprint-1		USN-3	Rainfall Prediction page with input Like month, year and state	2	Medium	Vigashini,Sweatha
Sprint-1	Data collection and preprocessing	USN-4	Downloading the dataset and data preprocessing	2	High	Haelen Mary, Baby shalini
Sprint-1		USN-5	Visualizing the data, training and testing the dataset	1	Medium	Vigashini, Baby shalini
Sprint-2	Model Building	USN-6	Model building and generating the pickle file	2	High	Baby shalini, Vigashini

Sprint	Functional Requirement [Epic]	User Story Number	User Story / Task / Activity	Story Points	Priority	Team Members
Sprint-2	Creating interface	USN-7	Creating html files and css files for application	3	Medium	Haelen mary, Baby shalini
Sprint-2		USN-8	Creating the python file and installing flask integrating with the application	5	High	Vigashini, Sweatha
Sprint-2		USN-9	User can search for the states in India wherehe/she wants to know the prediction of rainfall	8	High	Vigashini,sweatha Haelen Mary,
Sprint-3		USN-10	User can view the amount of rainfall in the particular region	5	High	Baby Shalini, sweatha
Sprint-3	Support	USN-11	Deploying the model on the cloud account	2	Medium	Haelen mary, sweatha
Sprint-3		USN-12	Responds to user queries via telephone, email etc.	2	Low	Vigashini, Baby shalini
Sprint-3		USN-13	User can give the feedback on the accuracy of the prediction and on the user interface	2	Low	Haelen mary, sweatha
Sprint-3		USN-14	The team must respond immediately to the queries based on the priority	5	High	Vigashini,sweatha
Sprint-4	Core Function	USN-13	Design, develop the application in such a way that the best user interface and maintenance should be taken care of	8	High	Baby Shalini, Sweatha
Sprint-4		USN-14	The website is responsive on all the devices and the screen sizes	2	Medium	Baby Shalini, sweatha
Sprint-4		USN-15	The updates should be on time with the solutions of the raised queries	5	High	Vigashini,sweatha

Project Tracker, Velocity & Burndown Chart:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	14	6 Days	24 Oct 2022	29 Oct 2022	---	29 Oct 2022
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	---	05 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	---	12 Nov 2022
Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	---	19 Nov 2022

Velocity:

Average Sprint Velocity *[estimated to be ideal]* =50/4=12.5

Therefore, the amount of work to be done on each sprint is an average of 12.5 story points.

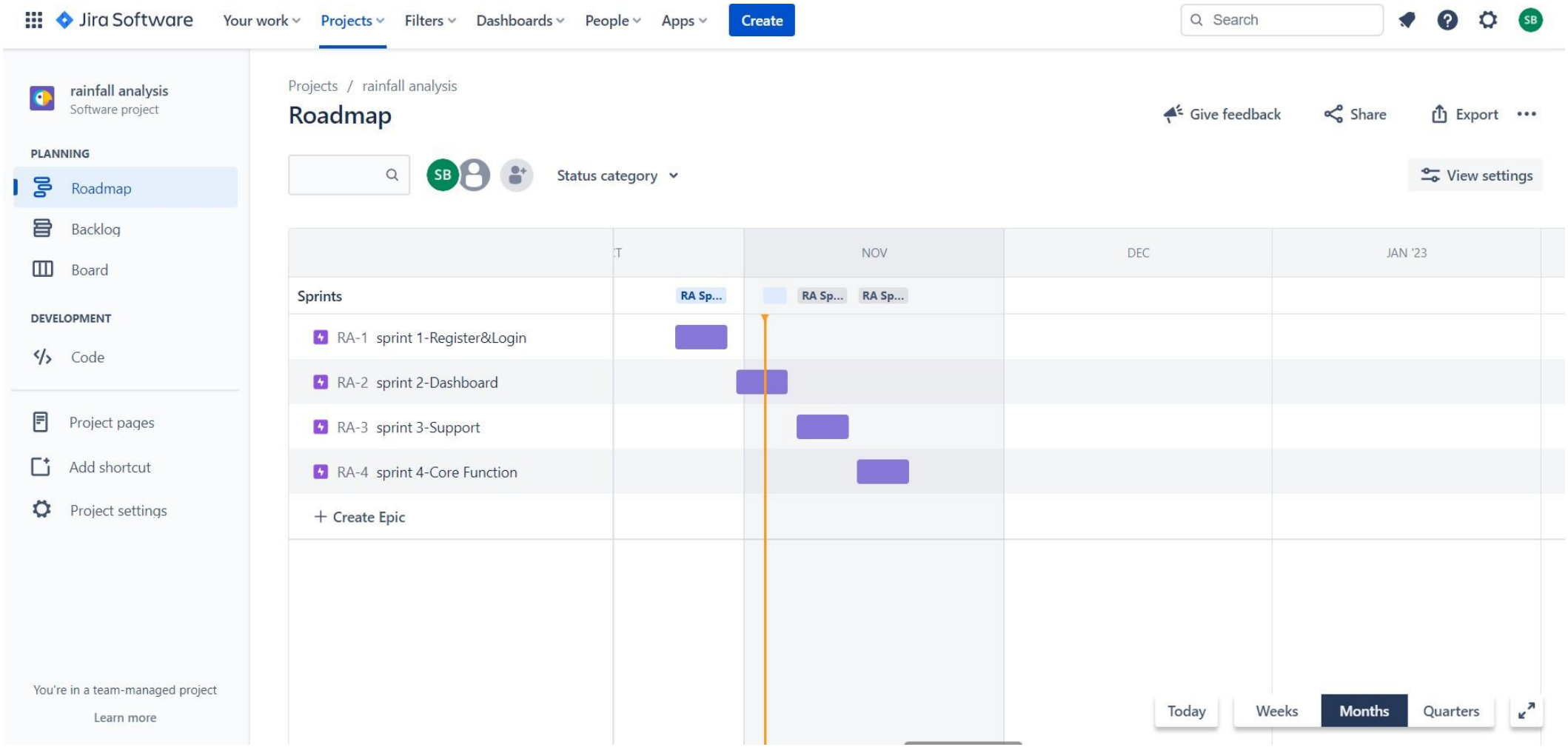
Burndown Chart:

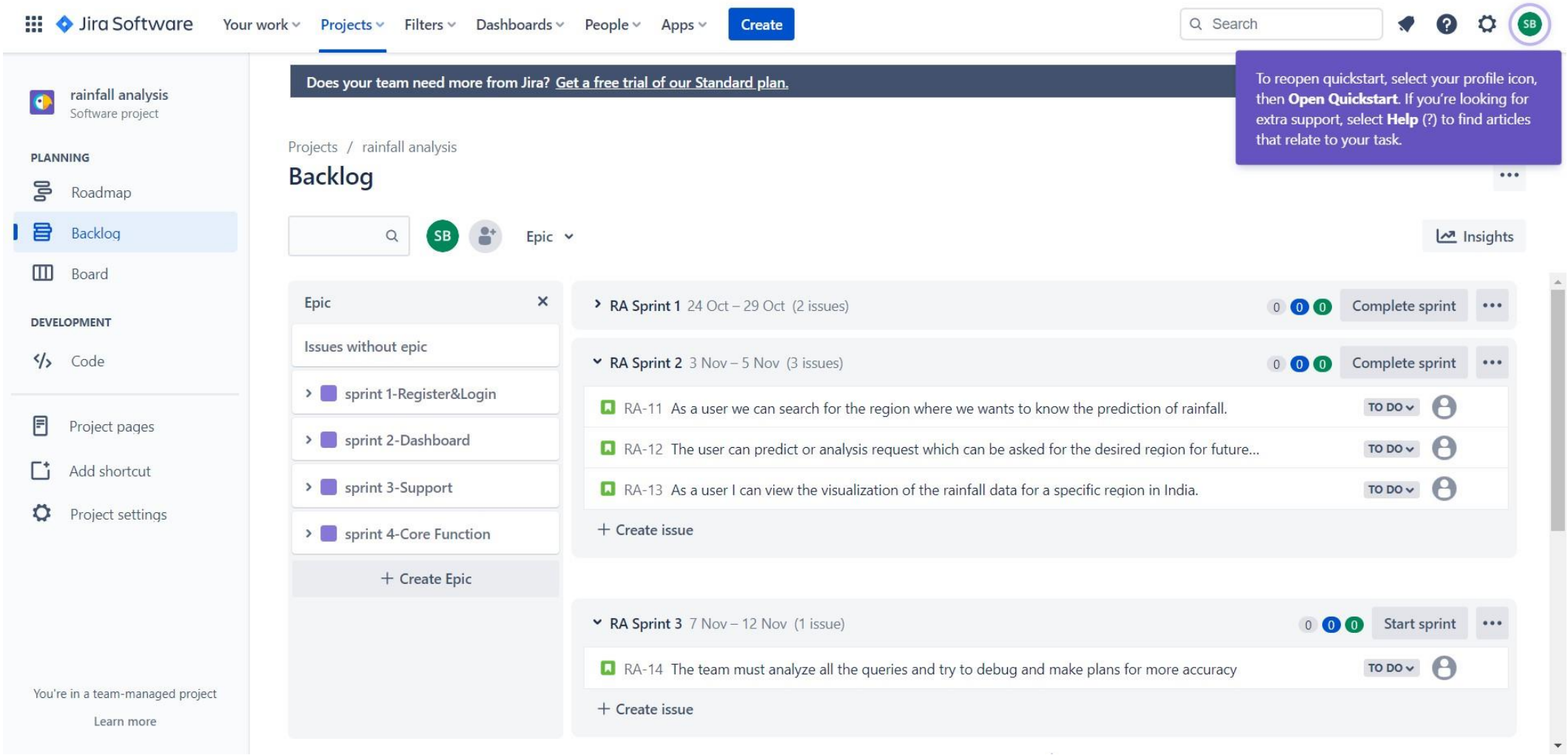
Project progress made till now over time is not measurable under the burnout chart. The chart would be updated later based on the completion of each sprint.

Roadmap,Backlog & Board:

Total Tools Used: 02

Tool used: ***JIRA Software***

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Projects / rainfall analysis
Backlog
Epic
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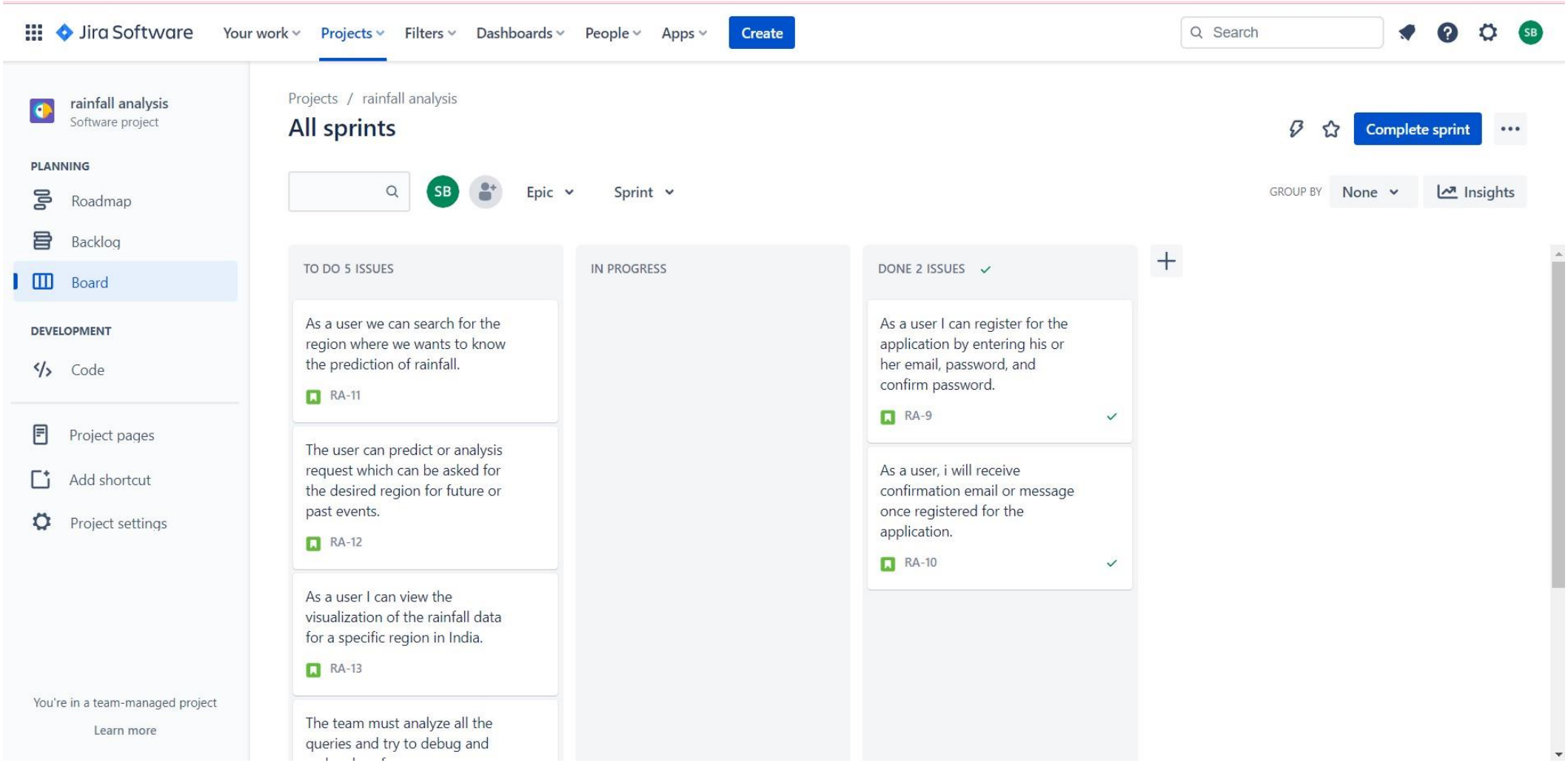
Epic
Issues without epic
sprint 1-Register&Login
sprint 2-Dashboard
sprint 3-Support
sprint 4-Core Function
Create Epic
RA Sprint 1 24 Oct – 29 Oct (2 issues)
Complete sprint
RA Sprint 2 3 Nov – 5 Nov (3 issues)
Complete sprint
RA-11 As a user we can search for the region where we wants to know the prediction of rainfall.
RA-12 The user can predict or analysis request which can be asked for the desired region for future...
RA-13 As a user I can view the visualization of the rainfall data for a specific region in India.
TO DO
Create issue
RA Sprint 3 7 Nov – 12 Nov (1 issue)
Start sprint
RA-14 The team must analyze all the queries and try to debug and make plans for more accuracy
Create issue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TO DO 5 ISSUES
As a user we can search for the region where we wants to know the prediction of rainfall.
RA-11
The user can predict or analysis request which can be asked for the desired region for future or past events.
RA-12
As a user I can view the visualization of the rainfall data for a specific region in India.
RA-13
The team must analyze all the queries and try to debug and
IN PROGRESS
DONE 2 ISSUES
As a user I can register for the application by entering his or her email, password, and confirm password.
RA-9
As a user, i will receive confirmation email or message once registered for the application.
RA-10