

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 November 2022
Team ID	PNT2022TMID02073
Project Name	Personal Expense Tracker Application
Maximum Marks	8 Marks

### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint number	Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
1	Setting Up Application Environment	Create flask project, IBM account, Docker and SendGrid	USN-1	Getting started with flask, creating IBM cloud account and installing IBM cloud CLI, docker	5	High	Yokeshwaran Vignesh Titus kenneth Nithish
2	Implementing Web Application	Create UI to interact with application	USN-2	Designing user friendly UI to make human computer interaction smoothly. Home page, log in, log out, expense report page are the console.	20	High	Yokeshwaran Vignesh Titus kenneth Nithish
		Create IBM DB2 and connect with python	USN-3	Creating IBM DB2 connecting it with flask MVC microframework to store the user credentials and expenses.	5	High	Yokeshwaran Vignesh Titus kenneth Nithish

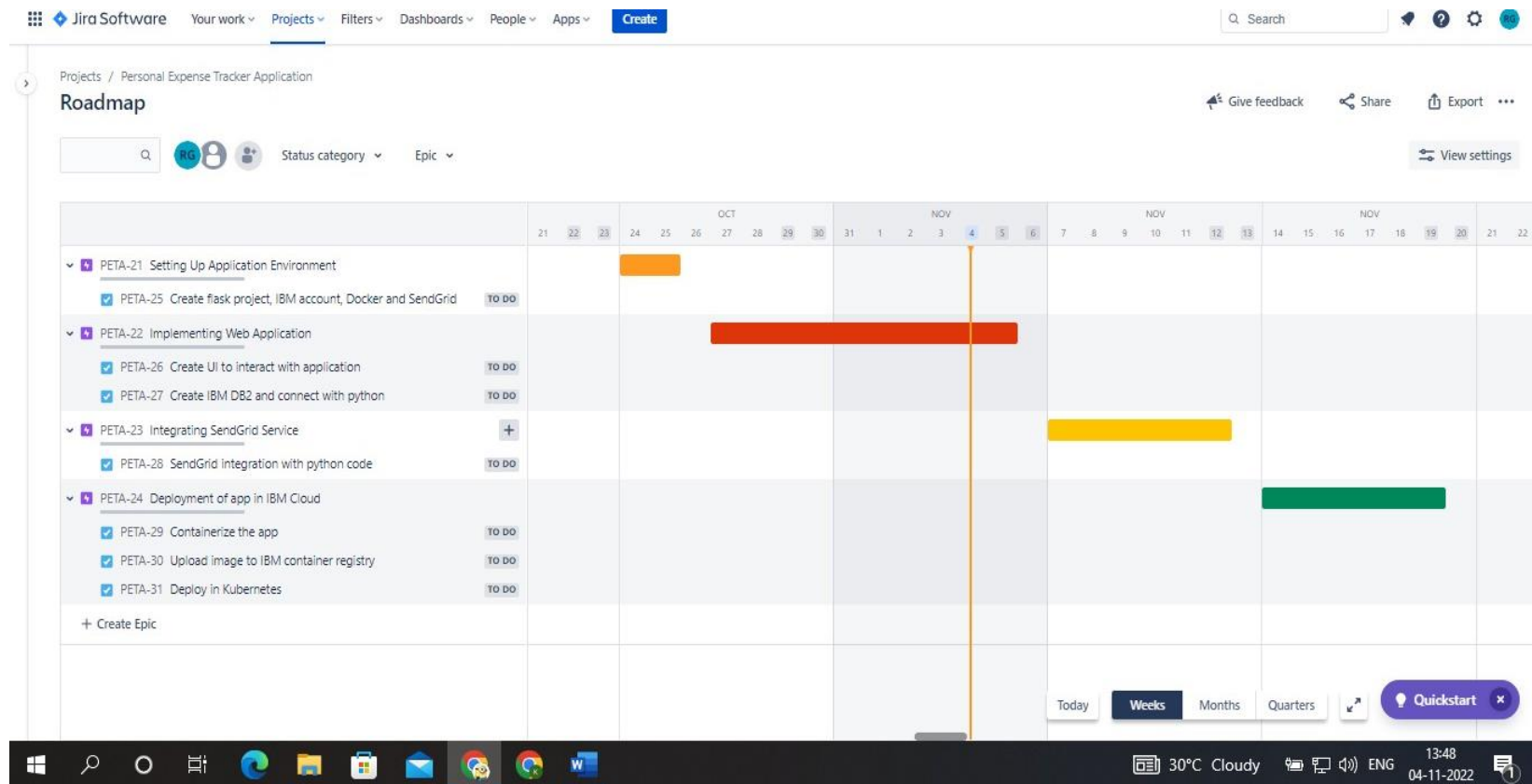
3	Integrating SendGrid Service	SendGrid integration with python code	USN-4	Generating SendGrid APIE to notify user that they reach the limit of spending.	5	medium	Yokeshwaran Vignesh Titus kenneth Nithish
4	Deployment of app in IBM Cloud	Containerize the app	USN-1	Creating docker file and testing the requirements for the flask application.	5	medium	Yokeshwaran Vignesh Titus kenneth Nithish
		Upload image to IBM container registry	USN-2	Upload images used in the front end to Container registry.	3	medium	Yokeshwaran Vignesh Titus kenneth Nithish
		Deploy in Kubernetes	USN-3	Deploy the application after testing its functionality on Kubernetes.	7	High	Yokeshwaran Vignesh Titus kenneth Nithish

#### Project Tracker, Velocity & Burndown Chart: (4 Marks)

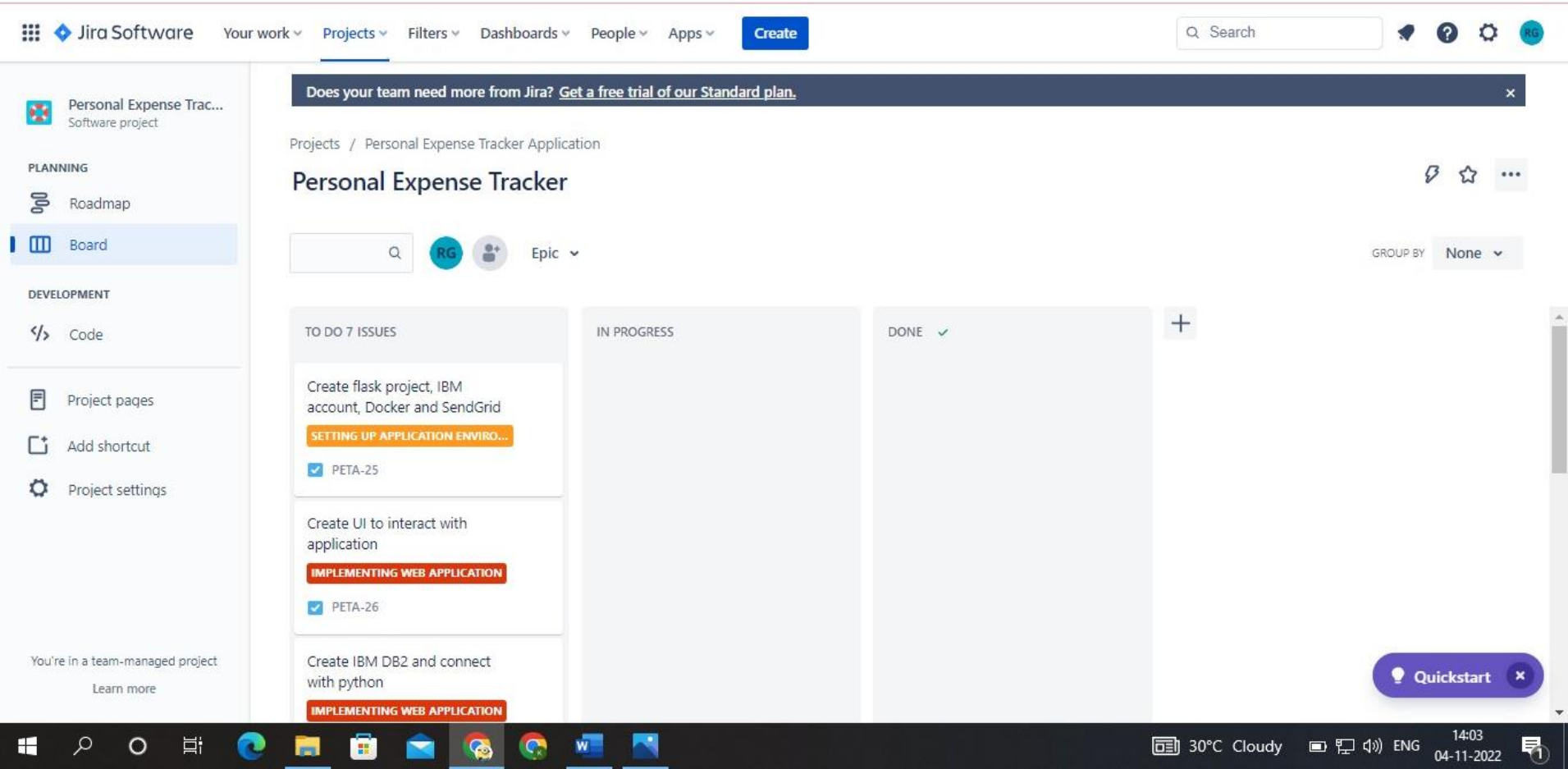
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	5	2 Days	24 Oct 2022	25 Oct 2022	5	26 Oct 2022
Sprint-2	25	10 Days	27 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	13 Nov 2022

Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	15	20 Nov 2022
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**NOTE: Burndown charts, Velocity to be updated dynamically after end of sprints Roadmap:**



Screenshots:



PART Board

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Projects / Personal Expense Tracker Application

## Personal Expense Tracker



Q RG Epic

GROUP BY None

TO DO 3 ISSUES

Containerize the app  
DEPLOYMENT OF APP IN IBM CLO...  
PETA-29

Upload image to IBM container registry  
DEPLOYMENT OF APP IN IBM CLO...  
PETA-30

Deploy in Kubernetes  
DEPLOYMENT OF APP IN IBM CLO...  
PETA-31

+ Create issue

IN PROGRESS 2 ISSUES

SendGrid integration with python code  
INTEGRATING SENDGRID SERVICE  
PETA-28

Create IBM DB2 and connect with python  
IMPLEMENTING WEB APPLICATION  
PETA-27

DONE 2 ISSUES ✓

Create flask project, IBM account, Docker and SendGrid  
SETTING UP APPLICATION ENVIRO...  
PETA-25 ✓ RG

Create UI to interact with application  
IMPLEMENTING WEB APPLICATION  
PETA-26 ✓

Quickstart