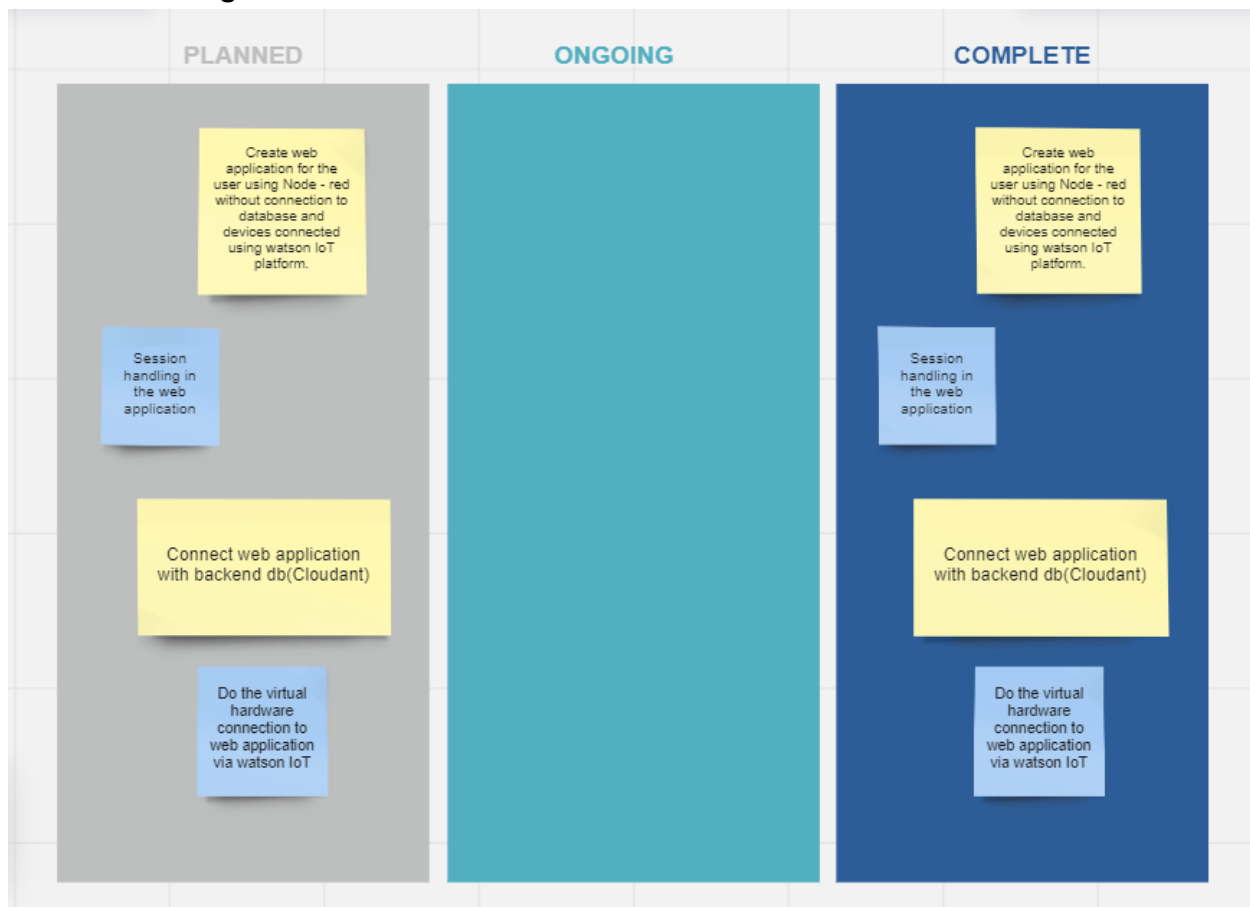


## Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID02743
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	8 Marks

#### Product Backlog :



### Sprint Schedule, and Estimation :

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Web application flows	USN-1	Create web application for the user using Node - red without connection to database and devices connected using watson IoT platform.	20	High	Mohan , Krishna kumar,M adhivadh anan
Sprint-2	Session handling	USN-2	Session handling in the web application.	20	High	Madhan raj
Sprint-3	Connect web application to db	USN-3	Connect web ui with backend db(Cloudant).	20	High	Mohan
Sprint - 4	Simulate the hardware devices	USN-4	Do the virtual hardware connection to web application via watson IoT.	20	High	Madhivadh anan , Krishna kumar

### Project Tracker, Velocity :

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	25	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	25	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	25	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	25	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

### Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint).

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Burndown chart :

