Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID026770
Project Name	Natural disasters intensity analysis and classification using artificial intelligence
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming that.	2	Low	Mageswari
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	3	High	Manimegalai
Sprint-1	Login	USN-3	As a user, I adapt to logging into the system with credentials.	2	Low	Lakshmi priya
Sprint-1	Designation of Region	USN-4	As a user, I can collect the dataset and select the region of interest to be monitored and analyzed.	5	Medium	Jeevitha
Sprint-1	Analysis of required phenomenon	USN-5	As a user, I can regulate certain factors influencing the action and report on past event analysis.	4	High	Mageswari
Sprint-1	Algorithm selection	USN-6	As a user, I can choose the required algorithm for specific analysis.	4	Medium	Manimegalai
Sprint-1	Training and Testing	USN-7	As a user, I can train and test the model using the algorithm.	4	High	Lakshmi priya
Sprint-1	Detection and analysis of data	USN-8	As a user, I can detect and visualize the data effectively.	4	High	Jeevitha

Sprint 2	Create and configure IBM cloud services	USN-9	As a user I need to enrolL the cloud registration	3	Medium	Mageswari
Sprint 2		USN-10	As a user, I will create IBM cloud Account Watson AI platform by accessing cloud account	7	High	Manimegalai
Sprint 2		USN-11	After creating node get device type and id	1	Low	Lakshmi priya
Sprint 2		USN-12	Simulate the node created	3	Medium	Jeevitha
Sprint 3	Create a database in Cloud DB	USN-13	Launch the cloud DB and create database to store the location data	4	High	Mageswari
Sprint 3	Develop the Python script	USN-14	Install the python software	2	Low	Manimegalai
Sprint 3		USN-15	Develop the python flask to publish details to IBM AI platform	6	High	Lakshmi priya
Sprint 3		USN-16	Integrate the device ID , authentication token in python flask	2	Low	Jeevitha
Sprint 3		USN-17	Develop the python code for publishing the location (latitude & longitude) to IBM AI platform	8	High	Mageswari
Sprint 4	Create the Web application using node Red	USN-18	As a user, I can build with the web application.	5	High	Manimegalai
Sprint 4		USN-19	Connect the IBM AI platform and get the location and store the data in the cloud	2	Medium	Lakshmi priya
Sprint 4		USN-20	Create the multilayered deep convolution neural network mode that tells the intensity of disaster a	8	High	Jeevitha

Sprint 4		USN-21	Send the notification is the web cam to capture the video frame	4	High	Mageswari

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	20	6 Days	24 Oct 2022	31 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	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). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

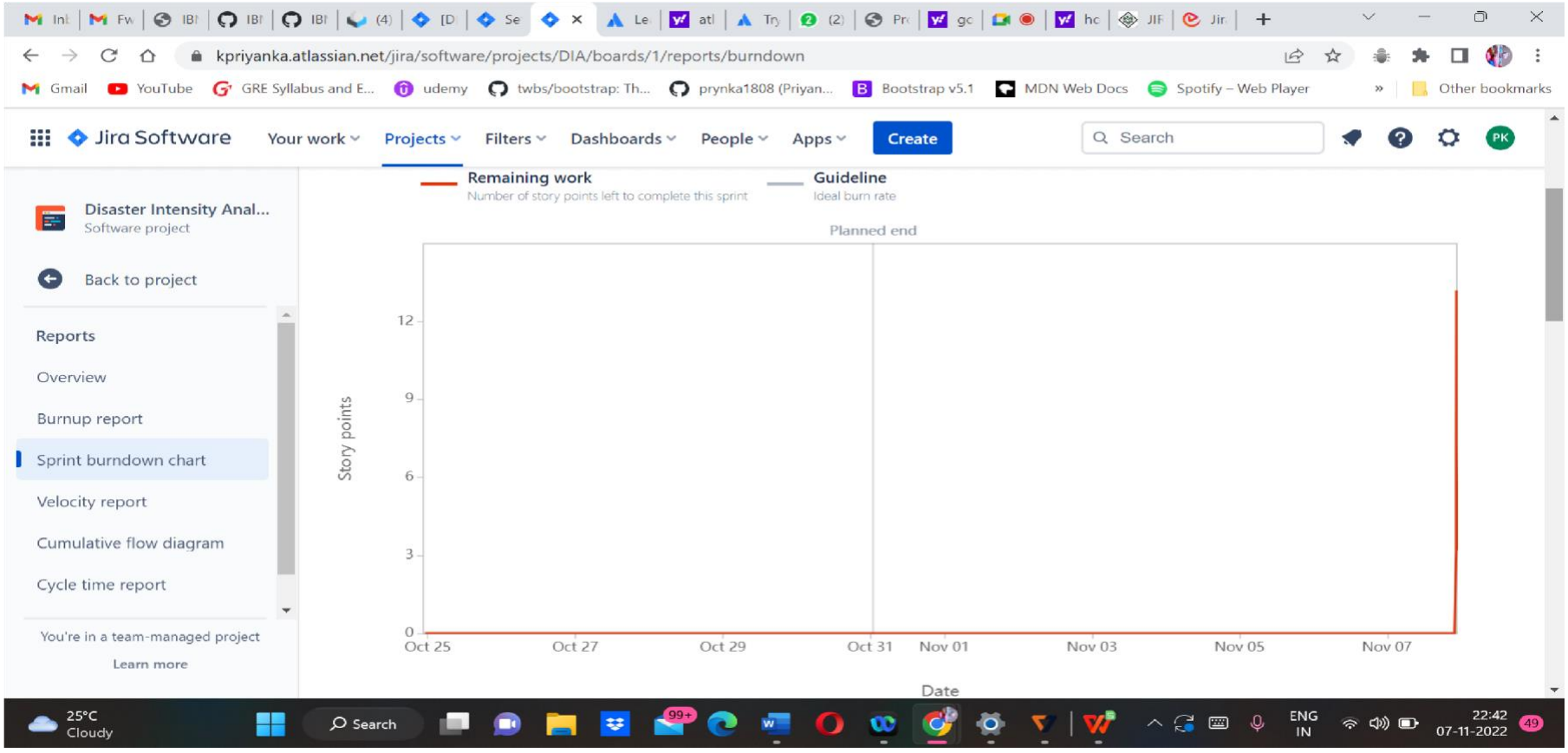
Average velocity=Sprint duration / velocity=20/6=3

Sprint	Total Story Points	Duration	Average Velocity
Sprint-1	28	6	4.6
Sprint-2	14	6	2.3
Sprint-3	22	6	3.6
Sprint-4	19	6	3.1
Total Sprint	83	24	3.4

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Sprint-1:



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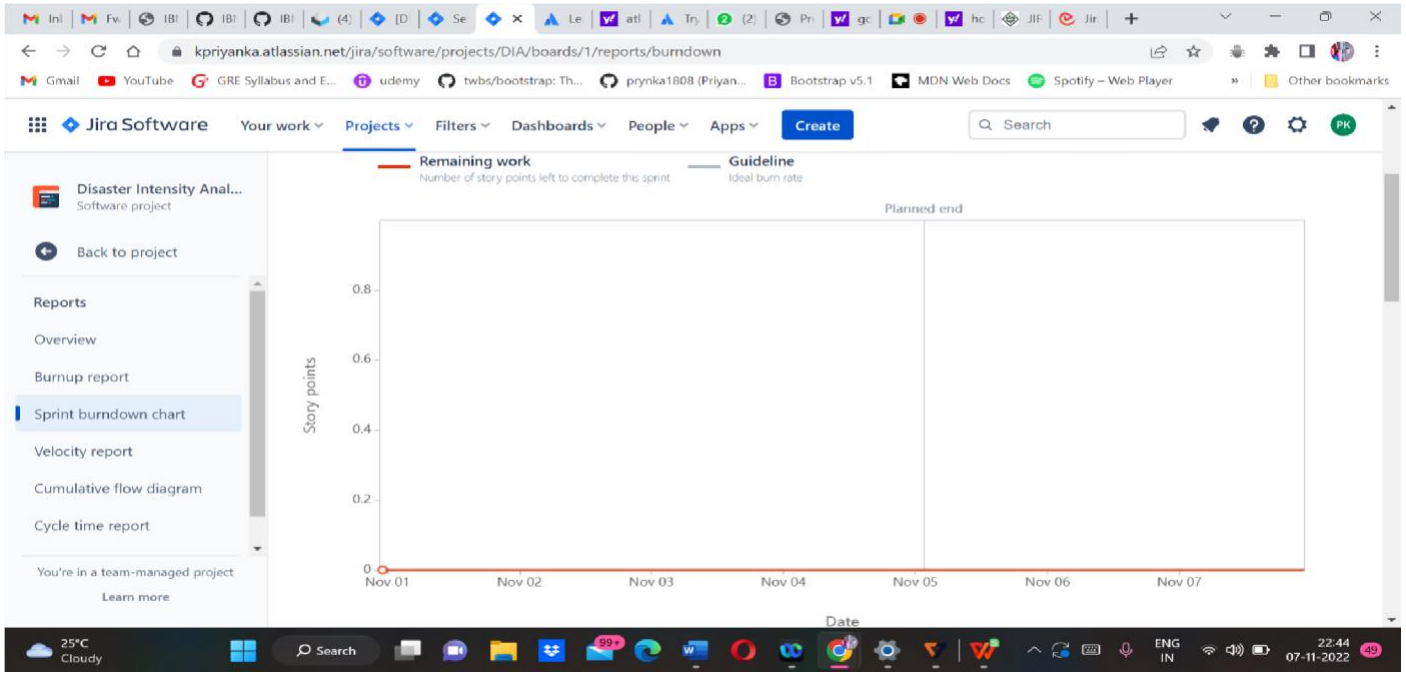

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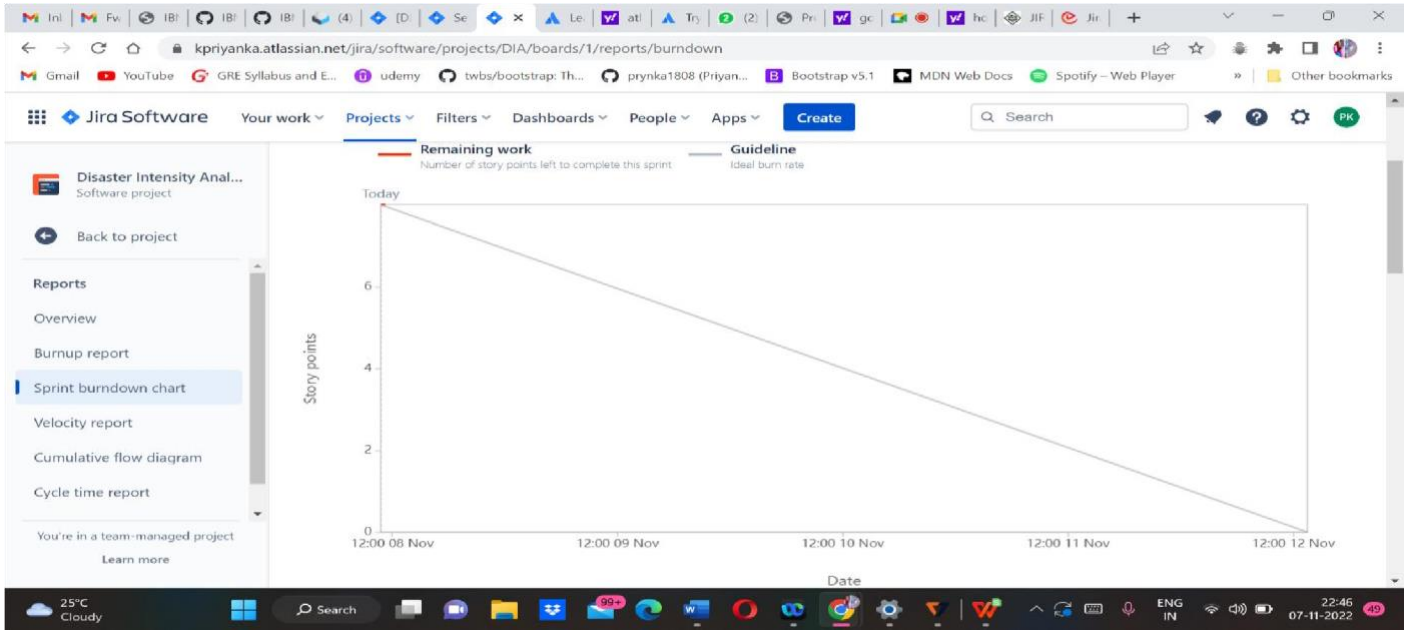
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Jira Software
Your work
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Software project
Back to project
Reports
Overview
Burnup report
Sprint burndown chart
Velocity report
Cumulative flow diagram
Cycle time report
You're in a team-managed project
Learn more
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Today
Story points
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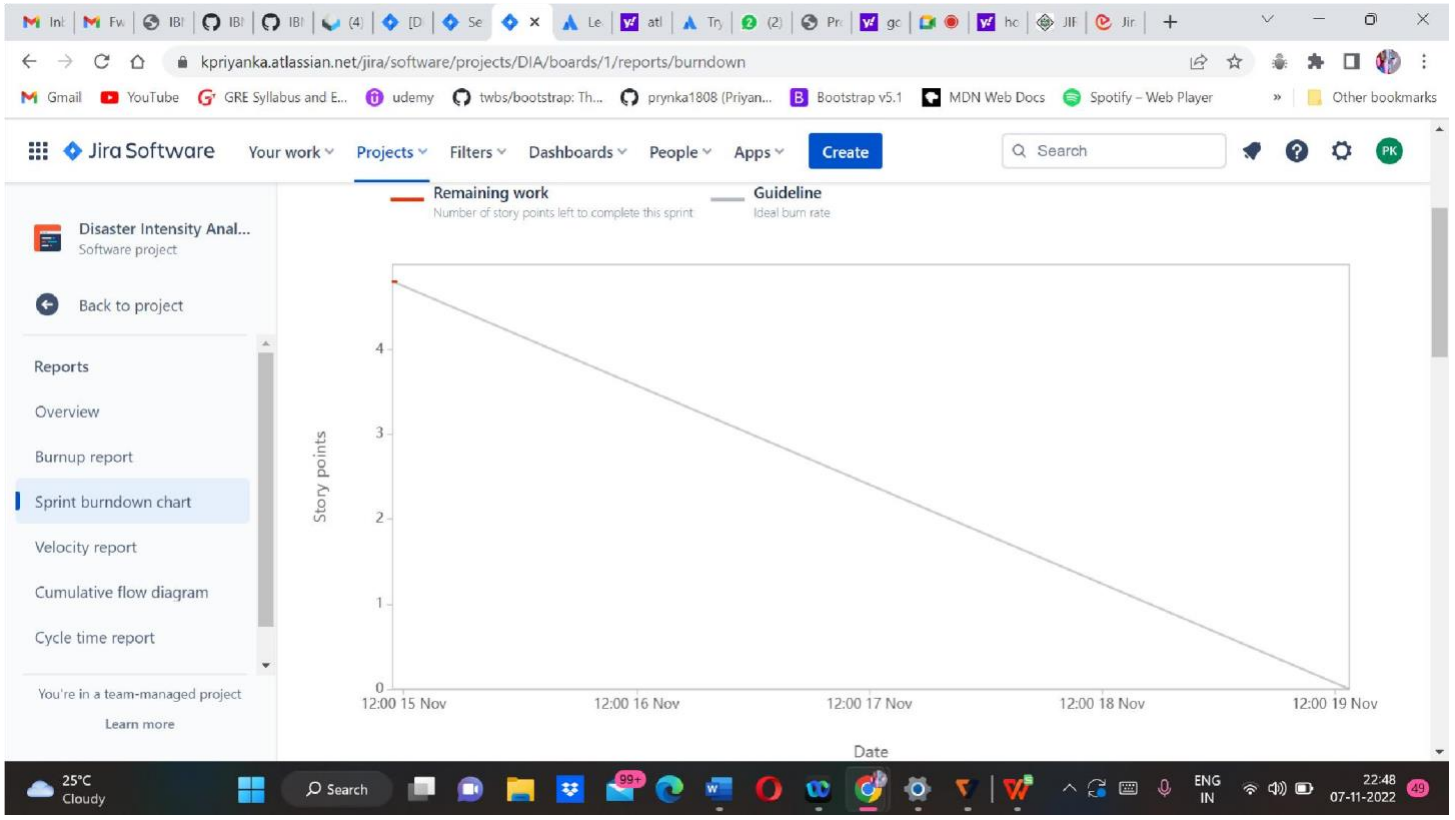
Sprint-4: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Jira Software
Your work
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Software project
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Story points
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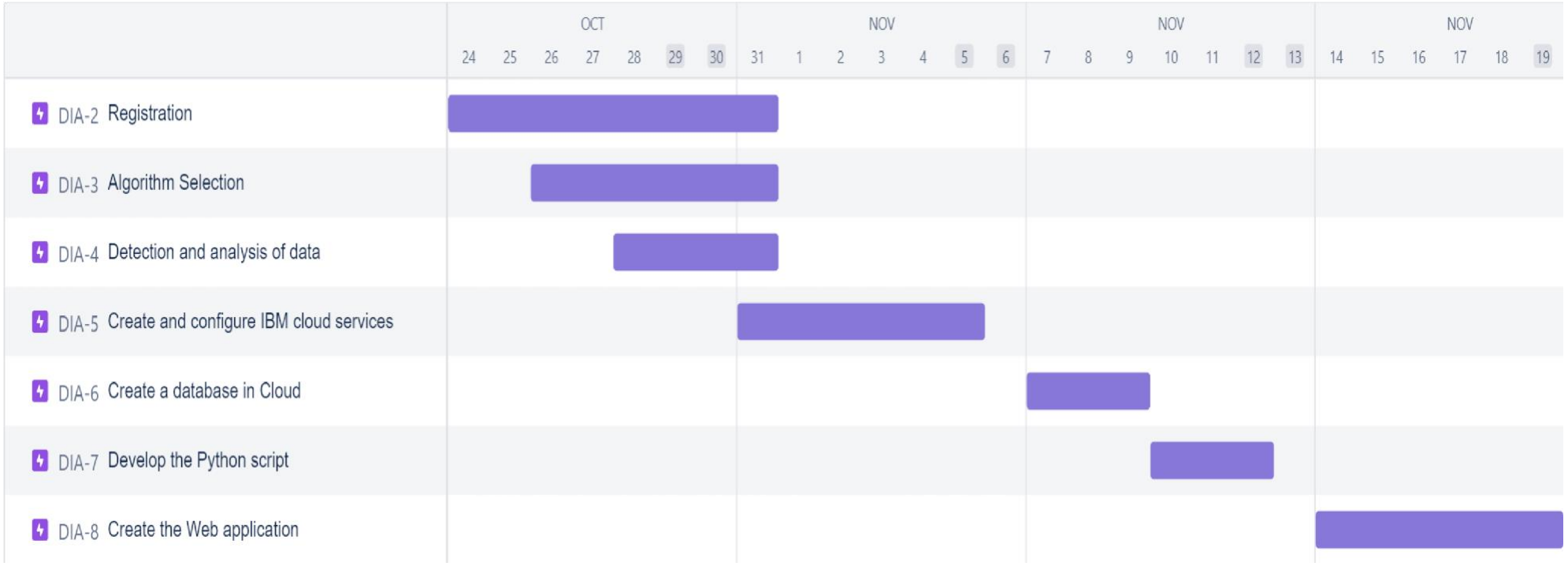
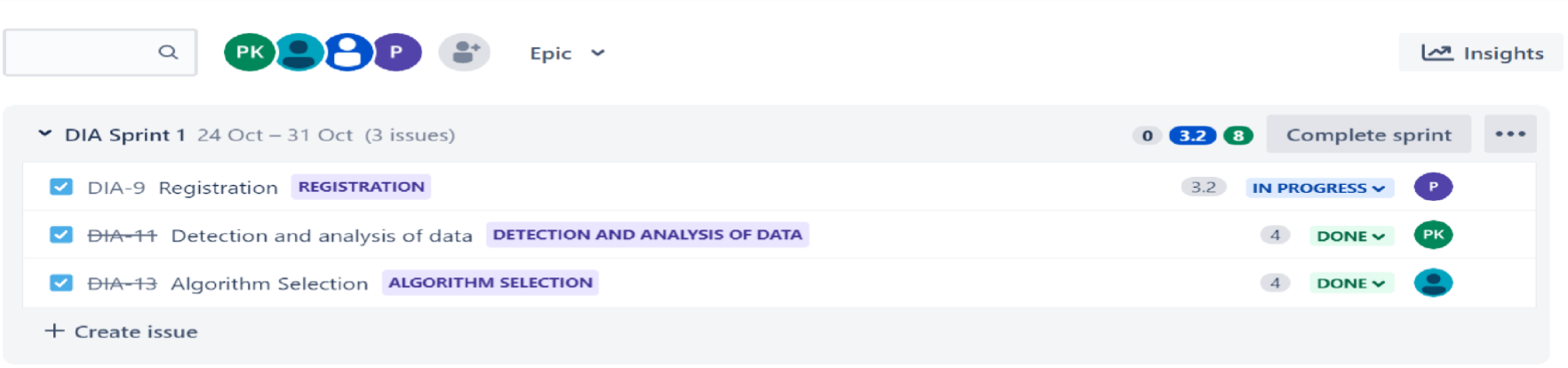
RoadMap:



Back Log:

Sprint-1:



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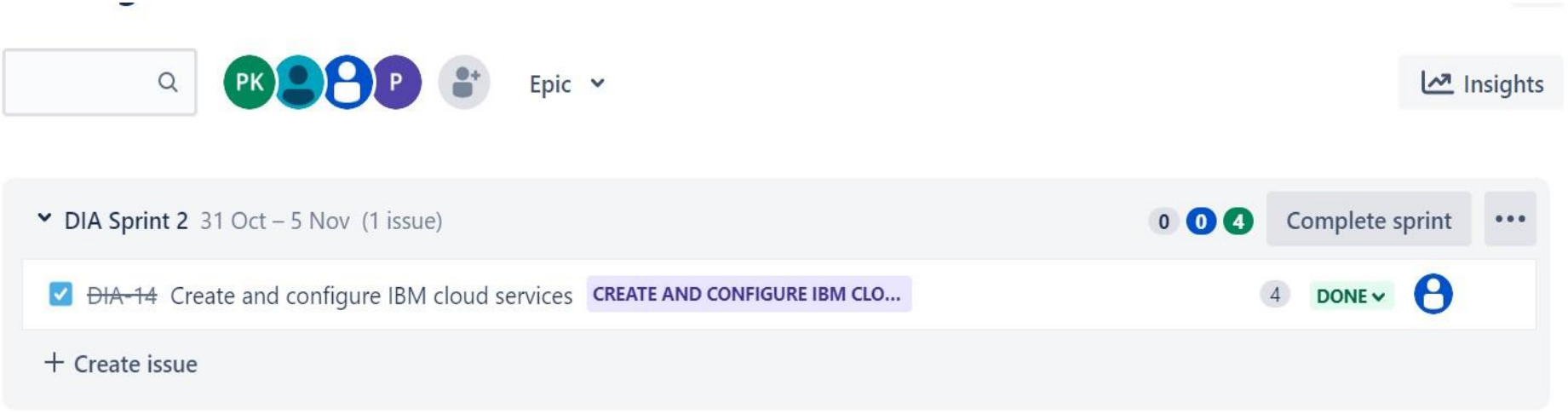

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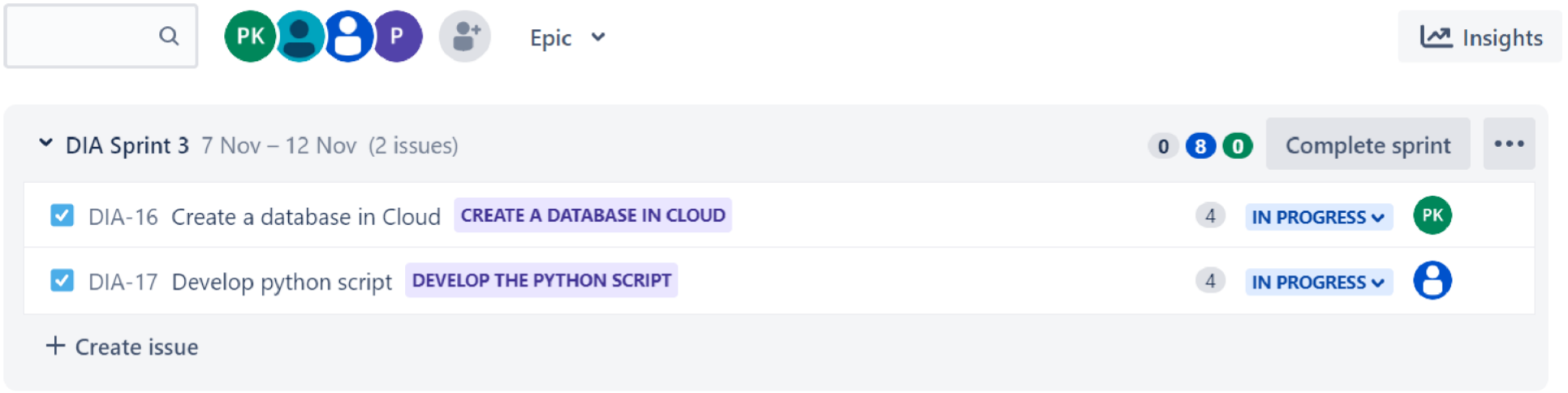

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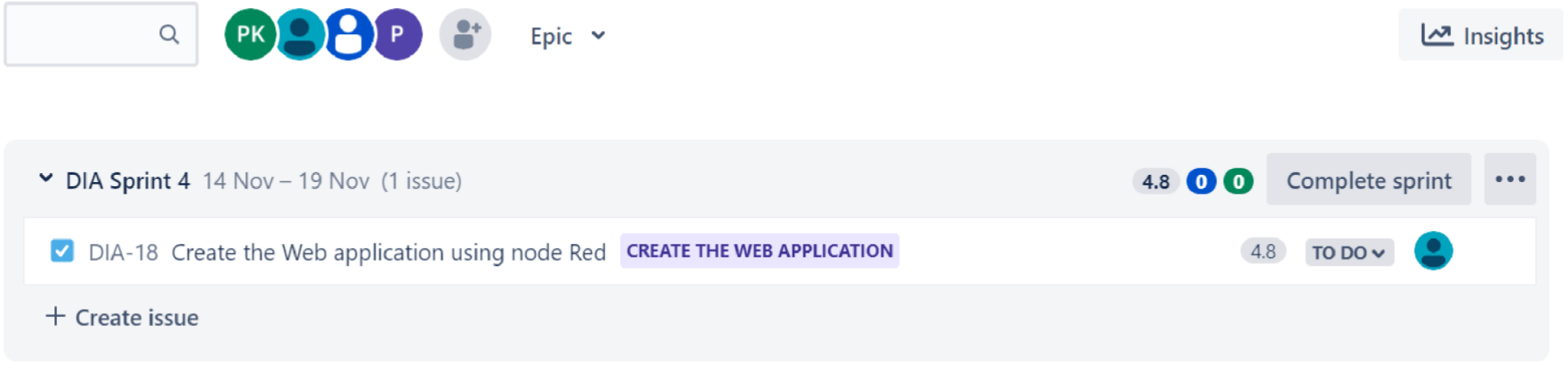
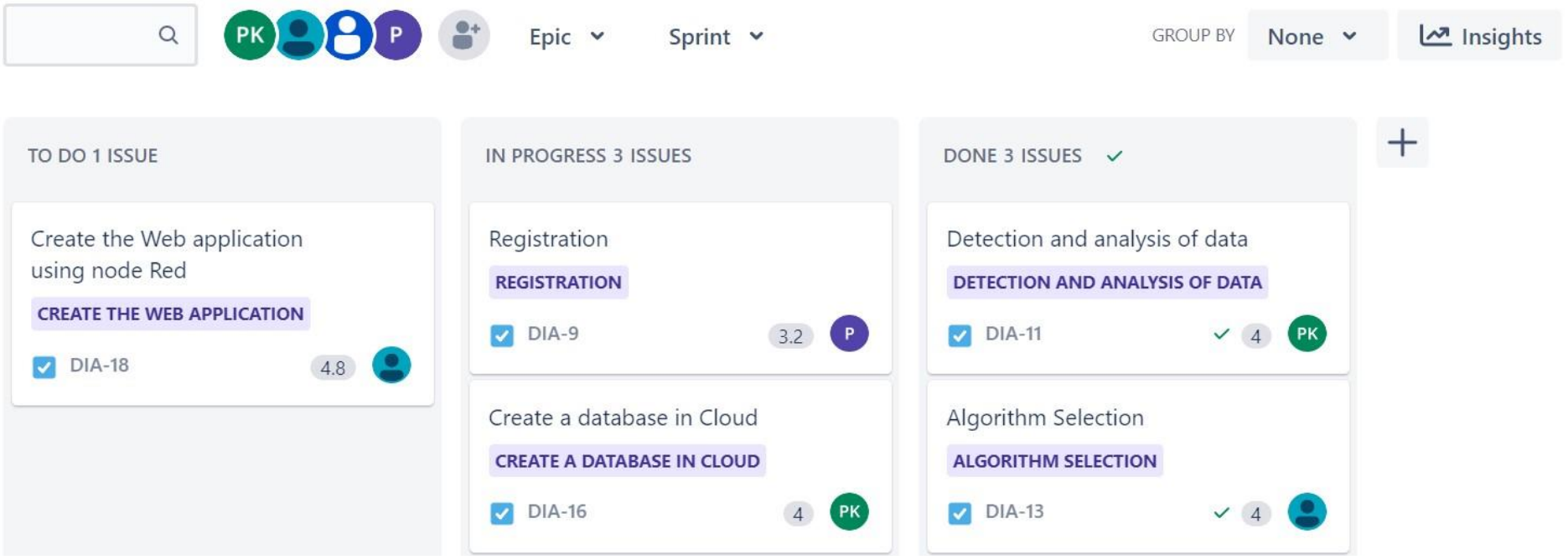
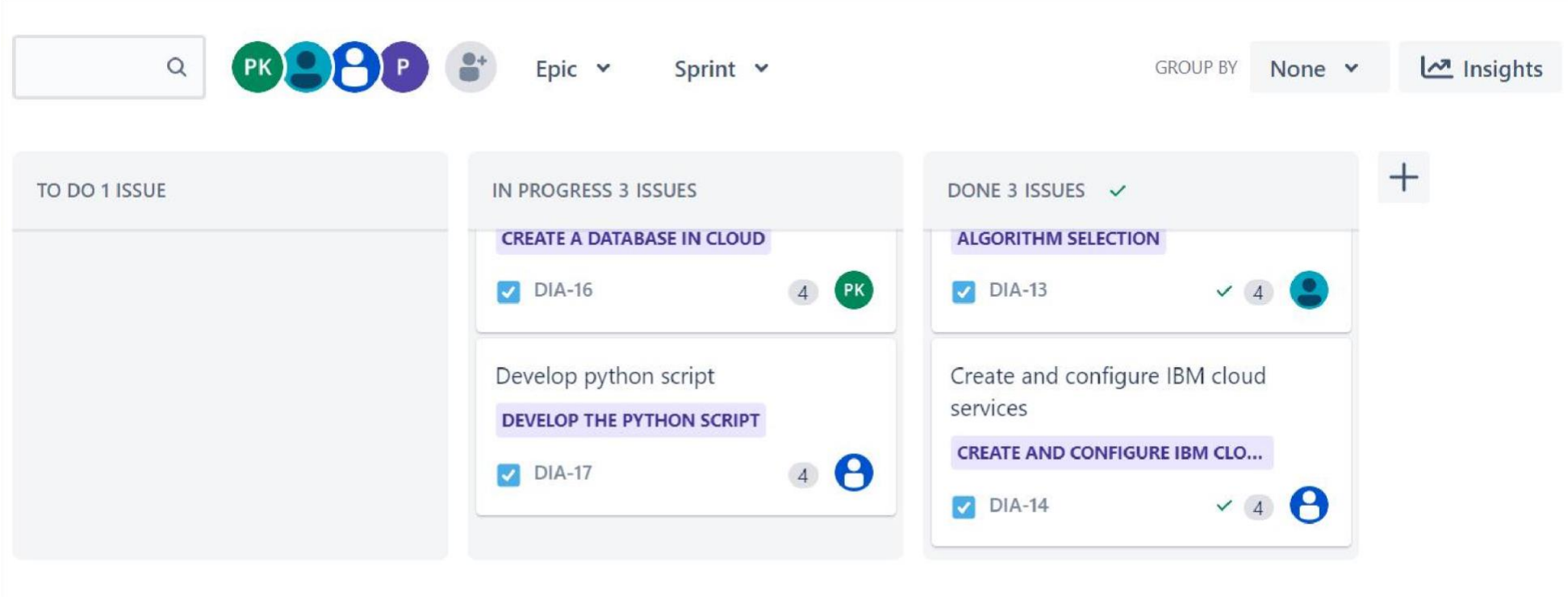


Board:


PK
P
Epic
Sprint
GROUP BY
None
Insights
TO DO 1 ISSUE
Create the Web application using node Red
CREATE THE WEB APPLICATION
DIA-18
4.8
IN PROGRESS 3 ISSUES
Registration
REGISTRATION
DIA-9
3.2
P
Create a database in Cloud
CREATE A DATABASE IN CLOUD
DIA-16
4
PK
DONE 3 ISSUES
Detection and analysis of data
DETECTION AND ANALYSIS OF DATA
DIA-11
4
PK
Algorithm Selection
ALGORITHM SELECTION
DIA-13
4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TO DO 1 ISSUE
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CREATE A DATABASE IN CLOUD
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ALGORITHM SELECTION
DIA-13
4
Develop python script
DEVELOP THE PYTHON SCRIPT
DIA-17
4
Create and configure IBM cloud services
CREATE AND CONFIGURE IBM CLO...
DIA-14
4