

Project Planning Phase

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

Team ID: NM2023TMID07142

Project Name Project - "Analytics Tool For Placements"

Product Backlog, Sprint Schedule, and Estimation

Sprint Functional	Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	0.5	1	DEVA R
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I can log into the application by entering ID & password	0.5	2	DEVA R
Sprint-2	Data Visualization and Exploration	USN-3	gender-PIE chart SSC-Column chart Bar graph Column graph Area graph Mean, etc..	2	3	KUBER AN T

Sprint-2	Dashboard	USN-4	Create, Report, Story & dashboard	1	4	AJESH M, AMUDH U S
Sprint-1	Front-End Development	USN-5	Web Interface Development, Report, Dashboard and Storyboard Integration	2	5	DEVA R, KUBER AN T
Sprint-3	Educational Content and Feedback System	USN-6	Github Pages, Site Launching, Feedback Solving from Giude(s)	2	6	DEVA R

1.1 Technical Architecture

The technical architecture of the "Analytics Tool For Placements" is designed to ensure the efficient and secure operation of the system. It consists of the following components:

1.1.1 Web Interface

The web interface is built using modern web development technologies and frameworks. It provides users with a user-friendly platform to access placement data, interact with visualizations, and navigate the system.

1.1.2 IBM Cognos Analytics

IBM Cognos Analytics serves as the core analytics and visualization platform. It hosts the Placement Data Repository and provides tools for data analysis, dashboard creation, and storytelling with data. The integration with the web interface allows users to access and interact with data visualizations and insights.

1.1.3 Database

The database stores user account information, including authentication data for the website. It ensures user data is securely managed and accessed as needed.

1.1.4 Web Integration

The web integration component uses iframe technology to seamlessly embed dashboards, stories, and reports from IBM Cognos Analytics into the website. This integration enables users to access placement insights without the need for separate logins.

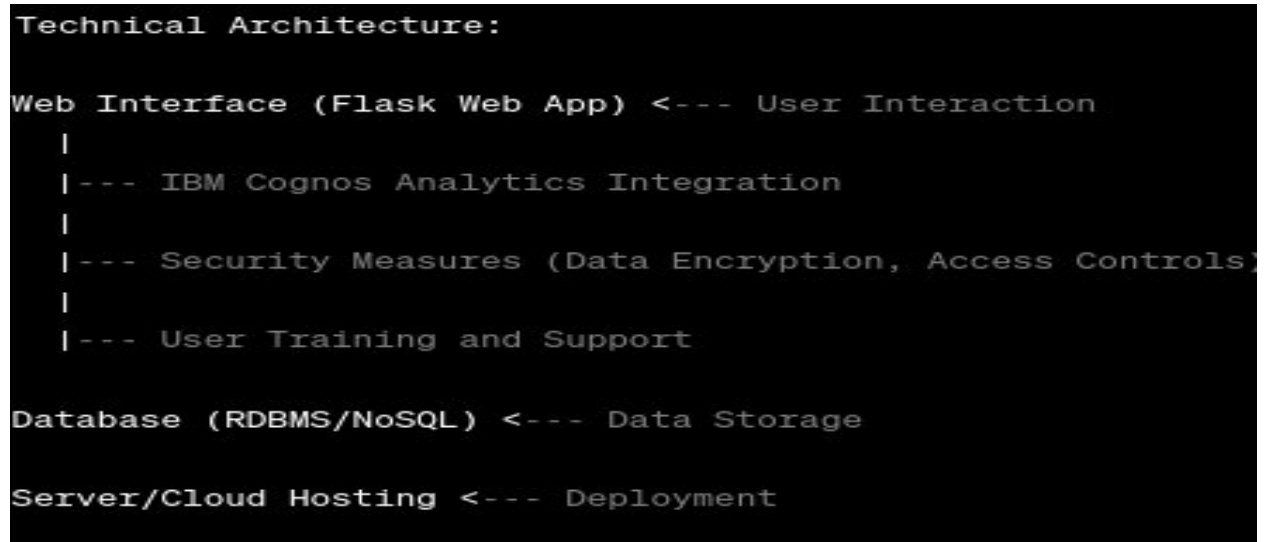


Figure 1: Architecture of Project Model

1.2 Sprint Planning & Estimation

Our project is organized into sprints, with each sprint focusing on specific features and functionalities. Sprint planning and estimation are essential to ensure that the project progresses in an organized and timely manner.

1.2.1 Sprint 1

Objective: Data Ingestion and Initial Data Visualization

- In this sprint, we will focus on setting up data ingestion processes to populate the Placement Data Repository in IBM Cognos Analytics.
- Estimated Duration: 2 weeks

1.2.2 Sprint 2

Objective: Data Visualization and Dashboard Development

- We will create initial data visualizations and start building the interactive dashboard within IBM Cognos Analytics.
- Estimated Duration: 3 weeks

1.2.3 Sprint 3

Objective: User Account Management and Web Integration

- In this sprint, we will implement user account management and work on integrating dashboards, stories, and reports into the website.
- Estimated Duration: 3 weeks

1.3 Sprint Delivery Schedule

The sprint delivery schedule outlines the estimated start and end dates for each sprint, considering the objectives and duration mentioned in the sprint planning and estimation:

- **Sprint 1:** Data Ingestion and Initial Data Visualization
 - Start Date: [12-10-2023]
 - End Date: [19-10-2023]
- **Sprint 2:** Data Visualization and Dashboard Development
 - Start Date: [20-10-2023]
 - End Date: [27-10-2023]
- **Sprint 3:** User Account Management and Web Integration
 - Start Date: [28-10-2023]
 - End Date: [3-11-2023]

The project is organized into these sprints to ensure a systematic approach to development, with each sprint building on the progress of the previous one. The specific start and end dates will be determined based on project timelines and resource availability.