Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID32347
Project Name	Smart Fashion Recommender Application
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.

- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.

- Define features, development phases, and solution requirements.

- Provide specifications according to which the solution is defined, managed, and delivered.

Solution Architecture Diagram:

In our project, there are two main responsibility personals such us Admin and User:

ADMIN: The role of admin mostly validating and monitoring the users. Admin also wanted to solve the issues of the user and is to check out the database about the users and purchasing products.

USER: The user (Customer) who is creating profiles and login into the website and go through the products available on the website. Instead of navigating to several screens for booking products online, the user can directly talk to Chatbot regarding the products.

Admin   Customer

Load Balancer

CDN
(IBM Object Cloud)

Servers (stateless architecture)

SendGrid

IBM Container registry

Flask Servers

Flask Servers

Flask Servers

IBM Watson Chat Bot

Store user data

postgresql

Master Slave Architecture

Database IBM DB2

Master   Slave   Slave