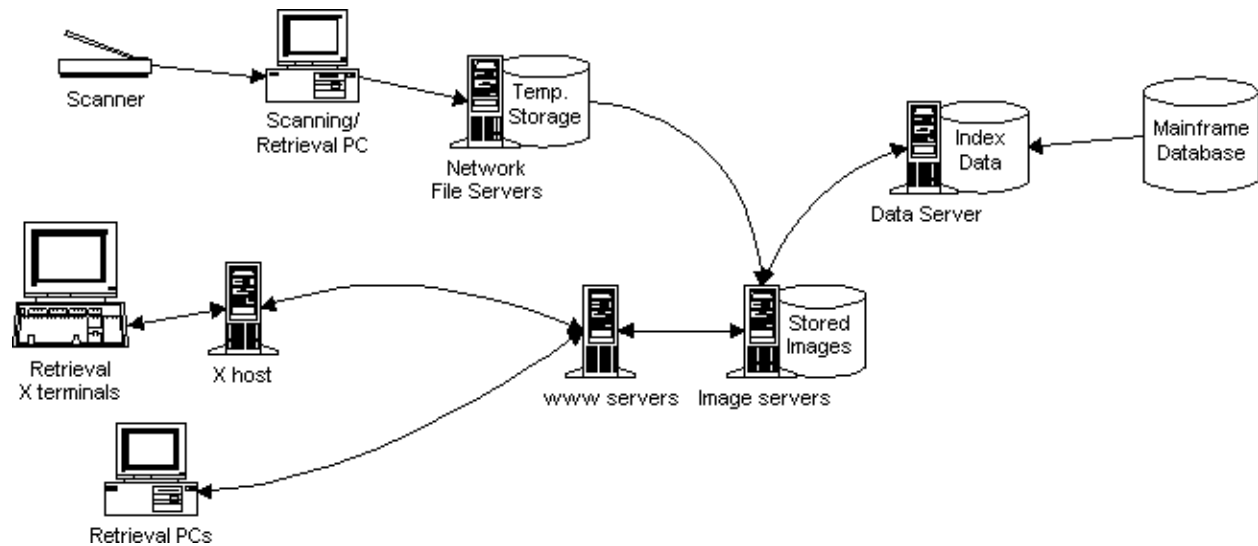


Project Design Phase-II

TechnologyStack(Architecture&stack)

Date	11th October, 2022
Team ID	PNT2022TMID37413
Project Name	Smart Fashion Recommender Application
Maximum Marks	4 Marks

Technical Architecture:



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Table-1: Components & Technologies:

S. No	Component	Description	Technology
1	User Interface	user interaction with application e.g. Web UI & Chatbot	HTML, CSS,Bootstrap JavaScript
2	Application Logic	Logic for a process in the application	Python - Flask
3	Email Service	For verify user and mail ads	SendGrid
4	Chatbot	Get details from user and store I	IBM Watson Assistant
5	Cloud Database	Database Service on Cloud	IBM DB2
6	Infrastructure (Server / Cloud)	Application Deployment on Cloud System	Docker, Cloud Foundry, Kubernetes, etc.

Table 2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	Used Web technologies	HTML , CSS , JS , Python , Flask
2	Security Implementations	User verification through Email Service	Sendgrid
3	Scalable Architecture	Run the app in Local and Cloud System	Docker and Kubernetes
4	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Docker , IBM Cloud
5	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	IBM Cloud , Kubernetes Cluster , Container Registry

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