Project Design phase- II

Technology stack (Architecture & Stack)

Date	26 October 2022
Team ID	PNT2022TMID34929
Project Name	Project - Personal Expense Tracker
Maximum Marks	4 Marks
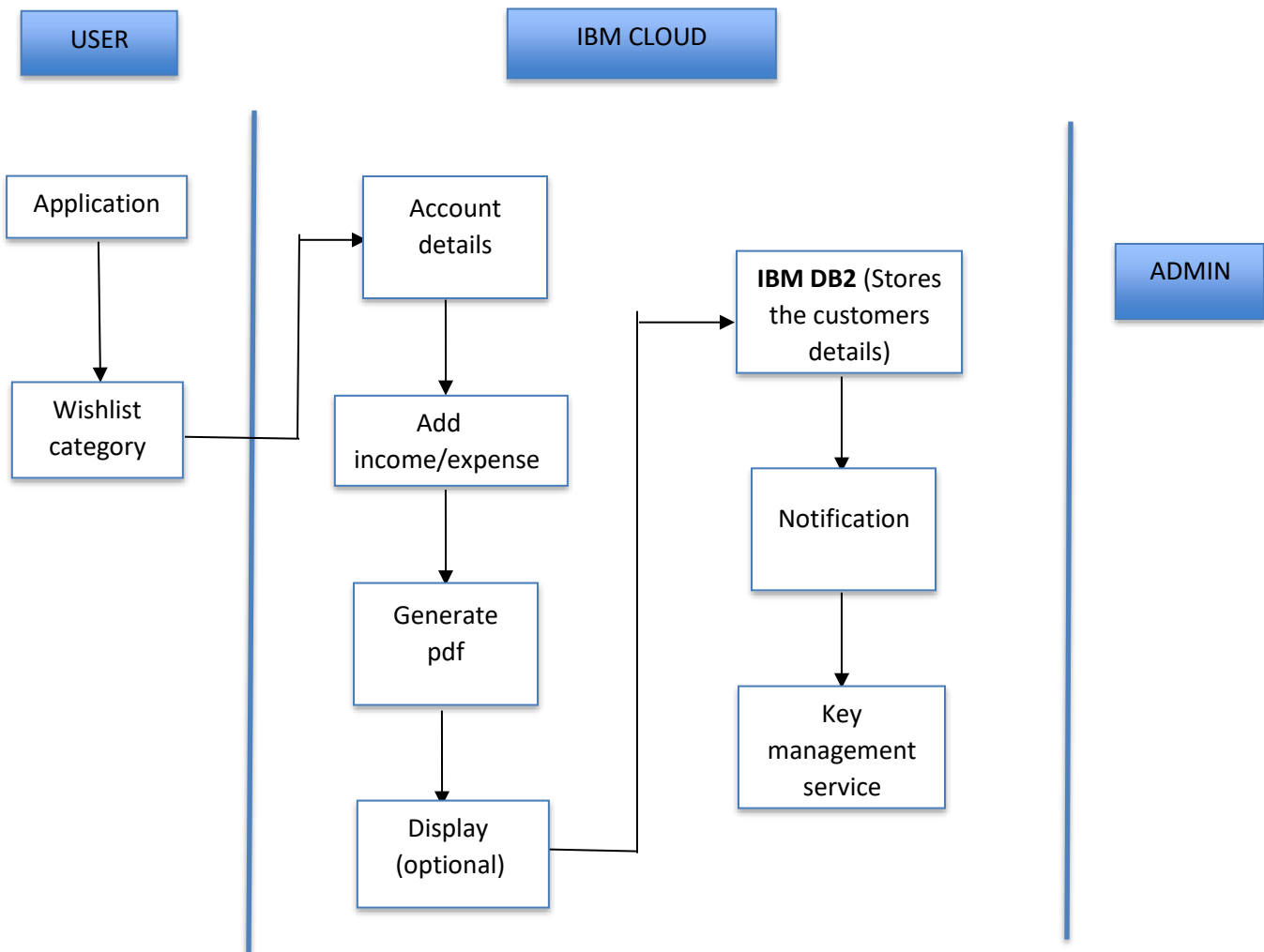
Table-1: Components & Technologies

S.no	Component	Description	Technology
1	User interface	Mobile app, desktop website	HTML,CSS,JavaScript
2	Application Logic-1	Track the daily expense	Java/Python
3	Application Logic-2	Conversational interfaces	IBM Watson assistant
4	Database	Shared expense tables	My SQL
5	Cloud Database	Database service on cloud	IBM DB2
6	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
7	External API-1	Login to online service	Google
8	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	IBM cloud

Application Characteristics

S.no	Characteristics	Description	Technology
1	Open-Source Frameworks	Code that is publicly accessible	Python-Flask
2	Security Implementations	Similar to use of Firewall	Container registry,Kubernetes cluster
3	Scalable Architecture	Adding resources to the system	Container registry,Kubernetes cluster
4	Availability	Use of distributed servers	Container registry,Kubernetes cluster
5	Performance	The performance will be high	Kubernetes cluster