

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

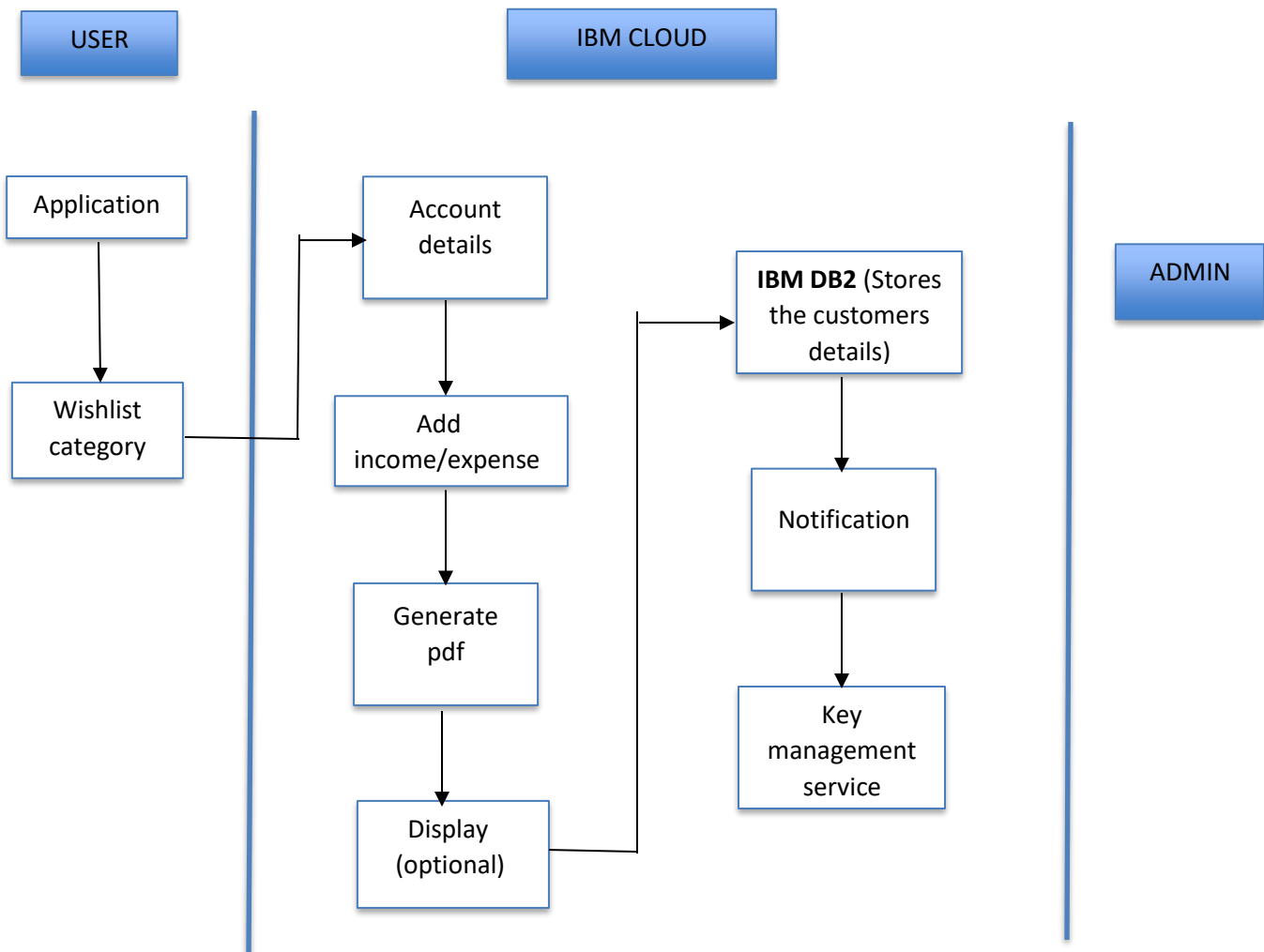


Table-1: Components & Technologies

S.no	Component	Description	Technology
1	User interface	Mobile app, desktop website	HTML,CSS,JavaScript/ Angular Js/React Js
2	Application Logic-1	Track the daily expense	Java/Python
3	Application Logic-2	Proper budgeting	IBM Watson STT service
4	Application Logic-3	Conversational interfaces	IBM Watson assistant
5	Database	Shared expense tables,Finance tables	My SQL
6	Cloud Database	Database service on cloud	IBM DB2,IBM Cloudant
7	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8	External API-1	Login to online service	Login using xyz
9	External API-2	Transactions	E-Commerce
10	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local, Cloud Foundry, Kubernetes

Application Characteristics

S.no	Characteristics	Description	Technology
1	Open-Source Frameworks	Code that is publicly accessible	Angular Js,React Js
2	Security Implementations	Similar to use of Firewall	SHA-256, Encryptions, IAM Controls, OWASP etc.
3	Scalable Architecture	Adding resources to the system	Angular Js,React Js
4	Availability	Use of distributed servers	Block chain
5	Performance	number of requests per sec, use of Cache, use of CDN's	Dynatrace, Instana,Manage Engine Application Manager