Project Design Phase-II
Technology Stack (Architecture & Stack)

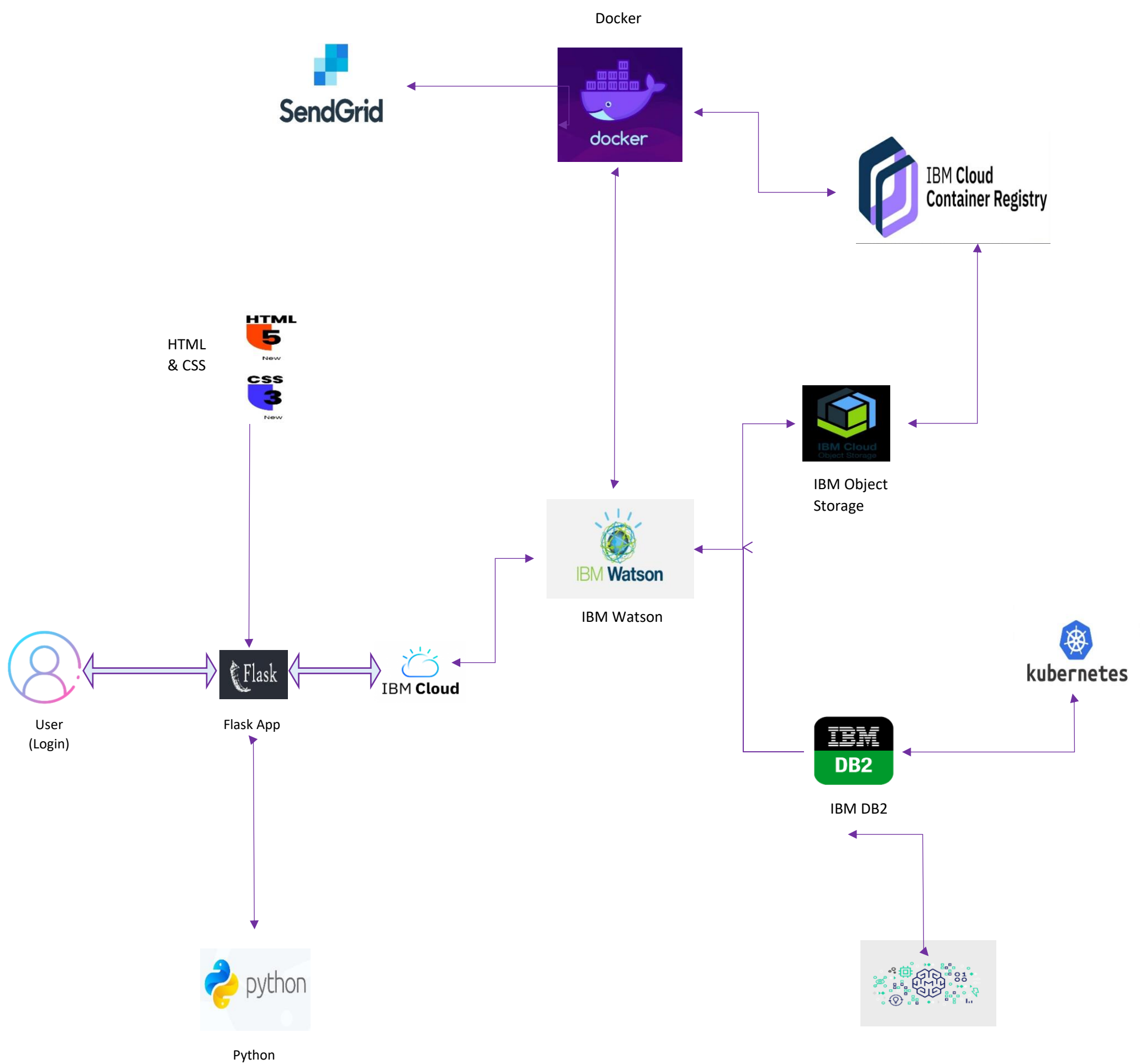| Date	14 October 2022
Team ID	PNT2022TMID46176
Project Name	Project – Smart Fashion Recommender Application
Maximum Marks	4 Marks

Technical Architecture

Table 1 : Components & Technologies

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript, etc.
2.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
5.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
6.	External API-1	Purpose of External API used in the application	Flask, Docker, etc.
7.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

Table 2 : Application characteristics

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Software that gives the user full access to the source code	HTML, CSS, JS, Python, Flask
2.	Security Implementations	Establish secure connectivity between the end-user systems and your website	Sendgrid, Solid-rock firewalls
3.	Scalable Architecture	Handle a growing amount of work by resources pf the system	Flask, Kebernetes
4.	Availability	Functioning properly and usable to meet the requirements of app	IBM cloudant, CSS
5.	Performance	Provide flawless user experience and crucial metric for product	IBM watson assistant, Machine learning