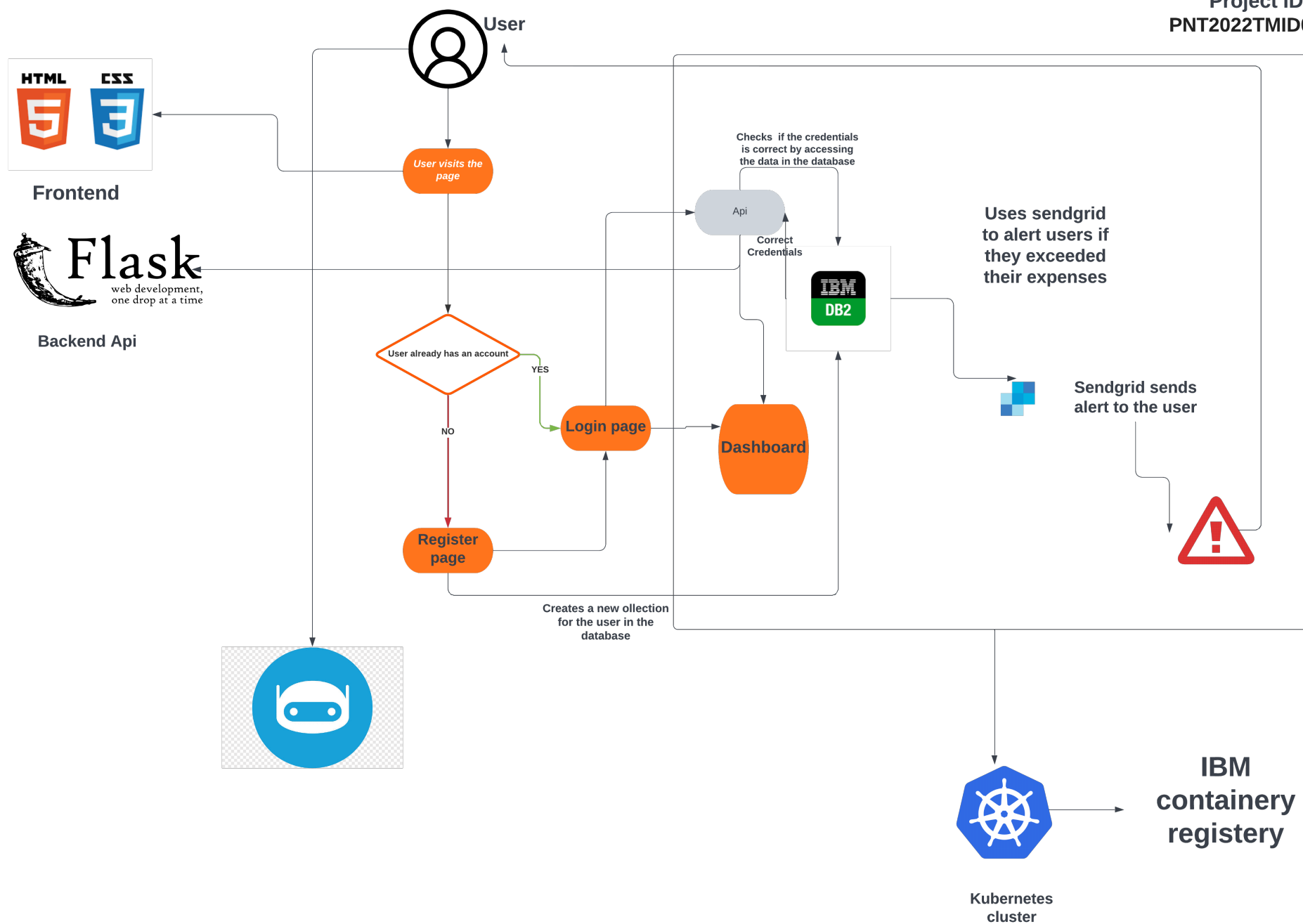


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	19 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
Maximum Marks	4 Marks



**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
2.	Application Logic-1	Logic for a process in the application	Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	Relational Database(SQL)
6.	Cloud Database	Database Service on Cloud	IBM DB2
7.	File Storage	File storage requirements	IBM Block Storage/Local Filesystem
8.	External API-1	Purpose of External API used in the application	Sendgrid
9.	External API-2	Purpose of External API used in the application	Graph api
10.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration	Cloud server configuration: Netlify,heroku Local Sever: Local pc
11.	Container register	Container images storage	Local registry: Dockerhub Cloud registry: IBM containery registry

**Table-2: Application Characteristics:**

<b>S.No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Open-Source Frameworks	List the open-source frameworks used	Dotenv,elasticsearch,docsify
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	Bcrypt,iam,otp
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Micro services
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Load Balancer
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	CDN,caching