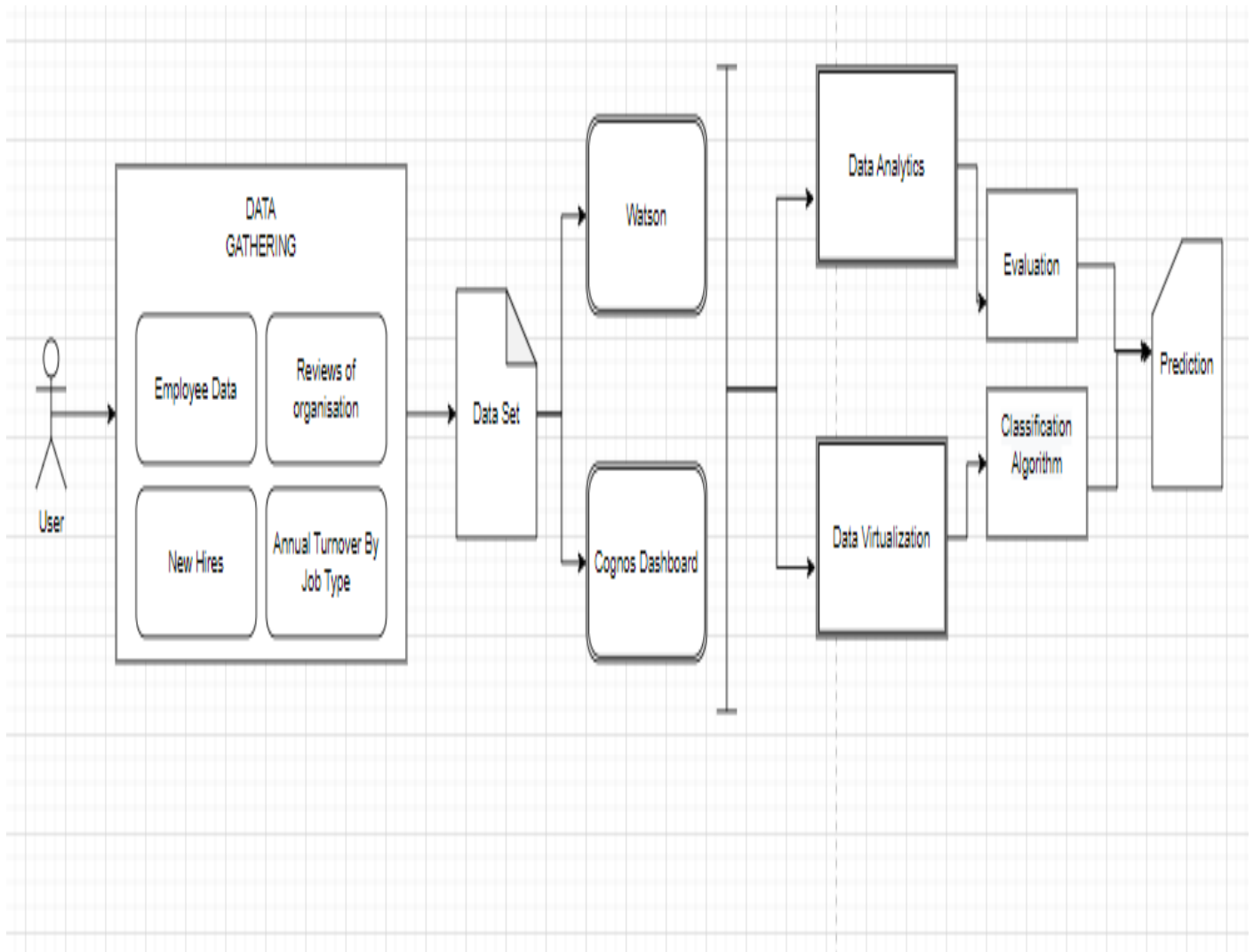


Project Design Phase-II

Technology Stack

Team ID	PNT2022TMID18255
Project Name	Corporate Employee Attrition Analytics
Maximum Marks	4 marks



SNO	Component	Description	Technology
1.	User Interface	The user interacts with the application using the website UI, where the user gets valuable user report details from the website UI.	HTML, CSS, JavaScript, React Js etc.
2.	Application Logic-1	Here Application logic relies on extracting the required scopes of data into the dataset.	Python
3.	Application Logic-2	Here Application logic depends on training the dataset to get precision by predicting and analysis of a dataset.	Python Jupyter
4.	Database	Data Type, Configurations etc.	Python Jupyter
5.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
6.	File Storage	File storage requirements	IBM Block Storage or OtherStorage Service or Local Filesystem
7.	Machine Learning Model	It allows the user to feed a computer algorithm an immense amount of data and have the computer analyse and make data-driven recommendations and decisions based on only the input data.	Decision Tree, Random Forest model

SNO	Characteristics	Description	Technology
1.	Usability	To delegate organization members and increase productivity and it provides the most useful dissemination tool for their decision making.	Cognos analytics
2.	Security	IBM Cognos Application Firewall provides security features that are in expansion to many of the elements determined in the guided security framework.	Encryptions, IAM Controls
3.	Scability	Solution is completely scalable. If there is a chance of having datasets of more organizations then the solution can be developed to benefit more organizations.	Load Balancer
4.	Availability	Jupyter Notebook is a webbased interactive computing platform. website application interface and developed in the local language and the content is available in the localized language.	Jupyter Notebook
5.	Performance	Determining the hardware required for system to function well underneath its unexpected workload.	IBM Cognos.