Project Design Phase-II
Data Flow Diagram & User Stories

Date	06 May 2023
Team ID	NM2023TMID17493
Project Name	CovidVision: Advanced COVID-19 Detection from Lung X-rays with Machine Learning or Deep Learnings

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.
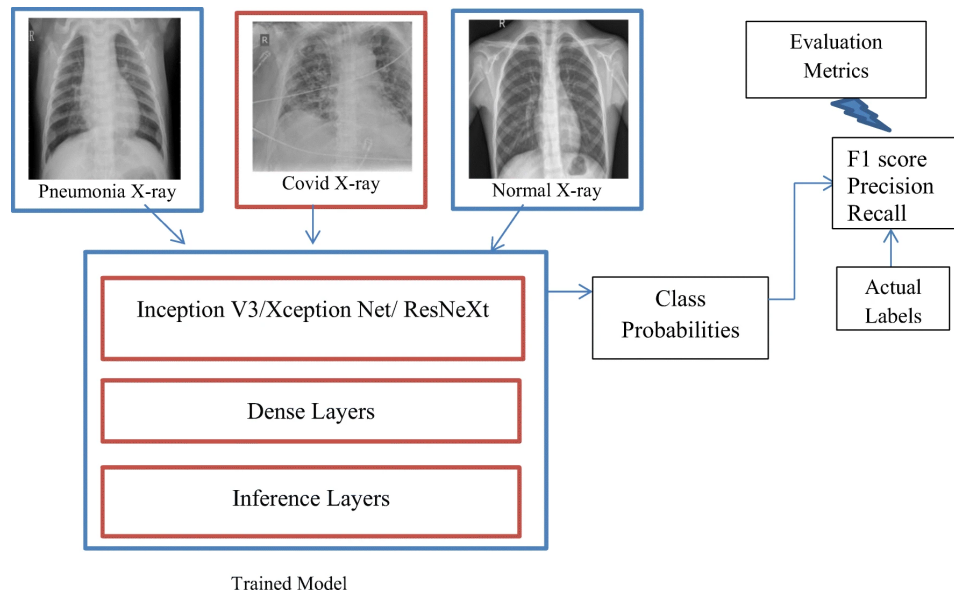
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
Hospital Staffs	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	keerthanaa
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	sharon
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Kamali
Healthcare administrator	Integration		Integrate CovidVision into our existing picture archiving and communication system (PACS), enabling seamless transfer of lung X-ray images for COVID-19 analysis and improving workflow efficiency.	I can integrate CovidVision into our existing pictures of lung X-Rays	High	Nadheedha
Radiology department manager	Monitoring		Monitor the performance and usage statistics of CovidVision, including the number of processed images, accuracy rates, and resource utilization, to ensure optimal system performance and cost-effective usage.	I can monitor the performance and usage statistics of CovidVision	Medium	Sharon
Healthcare IT professional	Security		Ensure the secure and encrypted transmission of lung X-ray images to CovidVision, protecting patient confidentiality and complying with data protection regulations.	Security of the patient data is achieved successfully	High	Kamali
Patient	Usage		I want CovidVision to assist healthcare professionals in accurately detecting COVID-19 from my lung X-ray, enabling early detection, appropriate treatment, and better overall outcomes.	The outcome of the project is accurate	Low	Nadheedha
Healthcare technology provider			I want to integrate CovidVision into our diagnostic software platform, expanding our offering with advanced COVID-19 detection capabilities and providing added value to our customers.	Integration is done successfully	Medium	Sharon