Project Design Phase-II
Data Flow Diagram & User Stories

Date	11 May 2023
Team ID	NM2023TMID19325
Project Name	Cancer Vision: Advanced Breast Cancer Prediction with Deep Learning

Data Flow Diagrams:
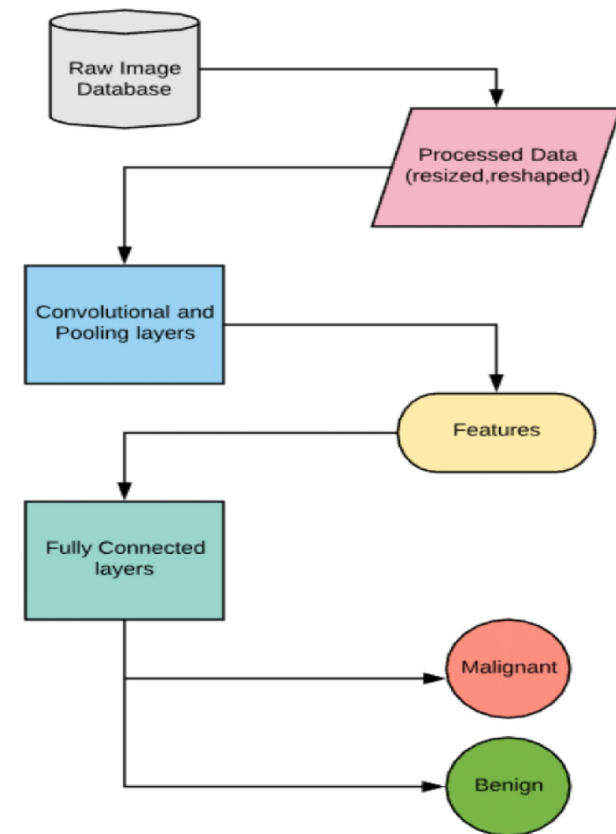
User Stories

Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
Automated Breast Cancer Detection using Deep Learning Algorithms	USN-1	As a radiologist, I want an automated breast cancer detection system that utilizes deep learning algorithms to accurately identify any abnormalities in mammogram images, so that I can provide more precise and effective treatment plans for my patients	The deep learning model must have an accuracy of at least 90% in detecting breast cancer. The system must be able to process a minimum of 100 mammogram images per hour.	High	Mohamed Danish .M.A
Early Detection of Breast Cancer using AI	USN-2	As a patient, I want an AI-powered breast cancer detection system that can accurately detect any abnormalities in my breast tissue during routine mammograms, so that I can receive timely treatment and improve my chances of recovery.	The system must be easy to use and accessible to all patients, regardless of their level of technical expertise or socioeconomic status. The system must maintain the privacy and confidentiality of the patient's medical data.	High	Subhashree.S.K
Large-scale Analysis of Breast Cancer Data using AI	USN-3	As a researcher, I want an AI-powered system that can analyze large datasets of patient information to identify patterns and potential risk factors for breast cancer, so that we can better understand the disease and develop more effective treatment options.	I can register & access the dashboard with Facebook Login	Low	Sushmitha.S
Personalized Treatment Planning using AI	USN-4	As a healthcare provider, I want an AI-powered system that can analyze a patient's medical data, including imaging results and genetic information, to develop personalized treatment plans for patients with advanced breast cancer.	The system must be able to provide recommendations for therapies,chemotherapy, and/or radiation therapy based on the patient's genetic makeup and disease characteristics. The system must be integrated with the hospital's EHR system.	Medium	Sri Nidhi.R