

# **Fix Your Pix**

**(Image Filling Application using DCGAN)**

## **DESIGN DOCUMENTATION**

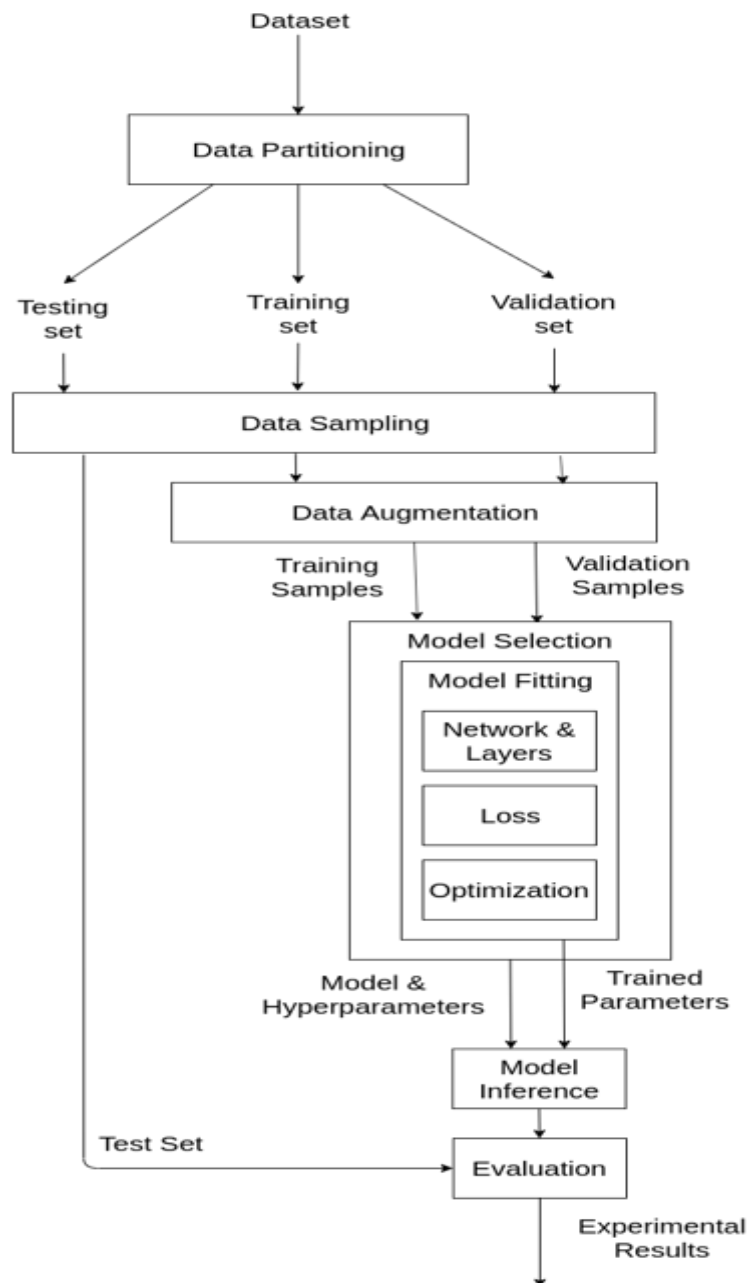
**SUBJECT: OOMAD**

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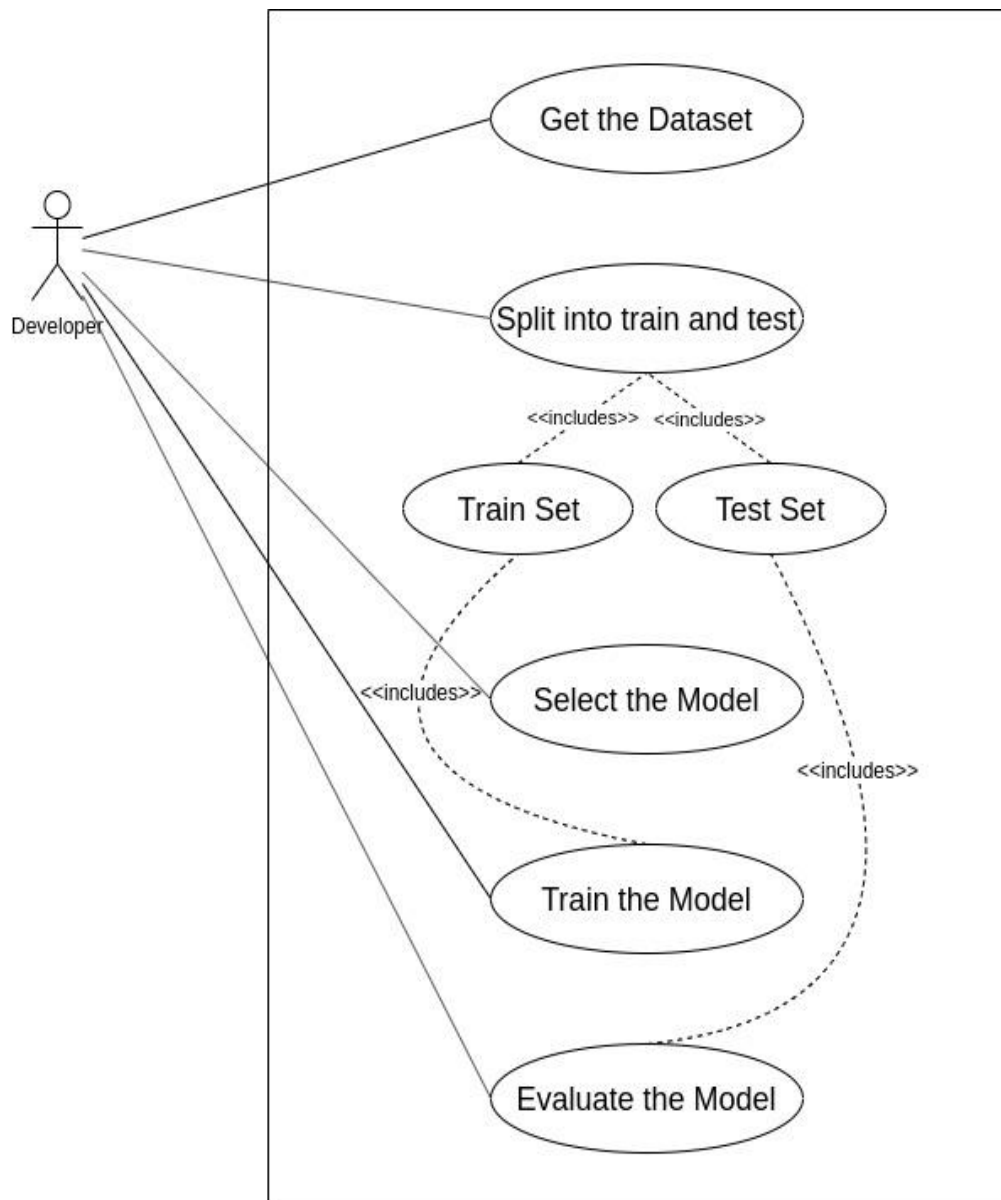
## FLOW DIAGRAM



The Flow Diagram represents the processes consisting of all the steps in our project. Starting from obtaining the dataset, the diagram shows how that same dataset is used in various steps like partitioning, pre-processing, model fitting, training, and evaluation.

The dataset is first split into training, testing, and validation sets. Then, the training and validation sets go through sampling. The sampled sets are then used for model fitting and training. The trained model is then saved. This model is then evaluated on the test set.

## USECASE DIAGRAM



The Use-case Diagram represents how the actor(s), interact with our system.

In our project, the actor is a developer. The developer first chooses the dataset for the problem. Then he has to select the appropriate model. After selecting the model, the developer does the necessary pre-processing on the dataset. Once the dataset is split into training and testing sets, the training set is used to train the model and the test set is then used to evaluate the trained model.