AI-based localization and classification of skin disease with erythema

Project Objectives

Pre-Requisites
Install Python IDE (Spyder/ PyCharm IDE is Ideal to complete this Project)

Pycharm

Install python packages

Install Microsoft's Visual Object Tagging Tool (VoTT)

VOTT Installation

Download YOLO Project structure

Yolo Structure

Create Dataset

Create Dataset from Scratch

Annotate Images

Create a Project in VOTT(Microsoft's Visual Object Tagging Tool)

Create a Project in VOTT -Part 2

Create a Project in VOTT-Part 3

Create a project in VOTT-Part 4

VOTT Project Creation

Training YOLO

Download and Convert Pre-Trained Weights

Train YOLOv3 Detector

Cloudant DB

Register & Login to IBM Cloud

Create Service Instance

Creating service credentials

Launch Cloudant DB

Create Database

Application Building

Building HTML Pages

Build Python code

Run the application

Ideation Phase

Literature survey on the selected project & InformationGathering

Prepare Empathy Map

Ideation

Project Design Phase – I

Proposed Solution

Problem Solution Fit

Solution Architecture

Project Design Phase -II

Customer Journey

Functional Requirement

Data Flow Diagrams

Technology Architecture

Project Planning Phase

Prepare Milestone & Activity List

Sprint Delivery Plan

Project Development Phase

Project Development - Delivery of Sprint-1