

Project Design Phase-II

Data Flow Diagram & User Stories

Date	15 November 2023
Team ID	Team-591796
Project Name	AI Enable car parking using OpenCV
Maximum Marks	4 Marks

Data Flow Diagrams:

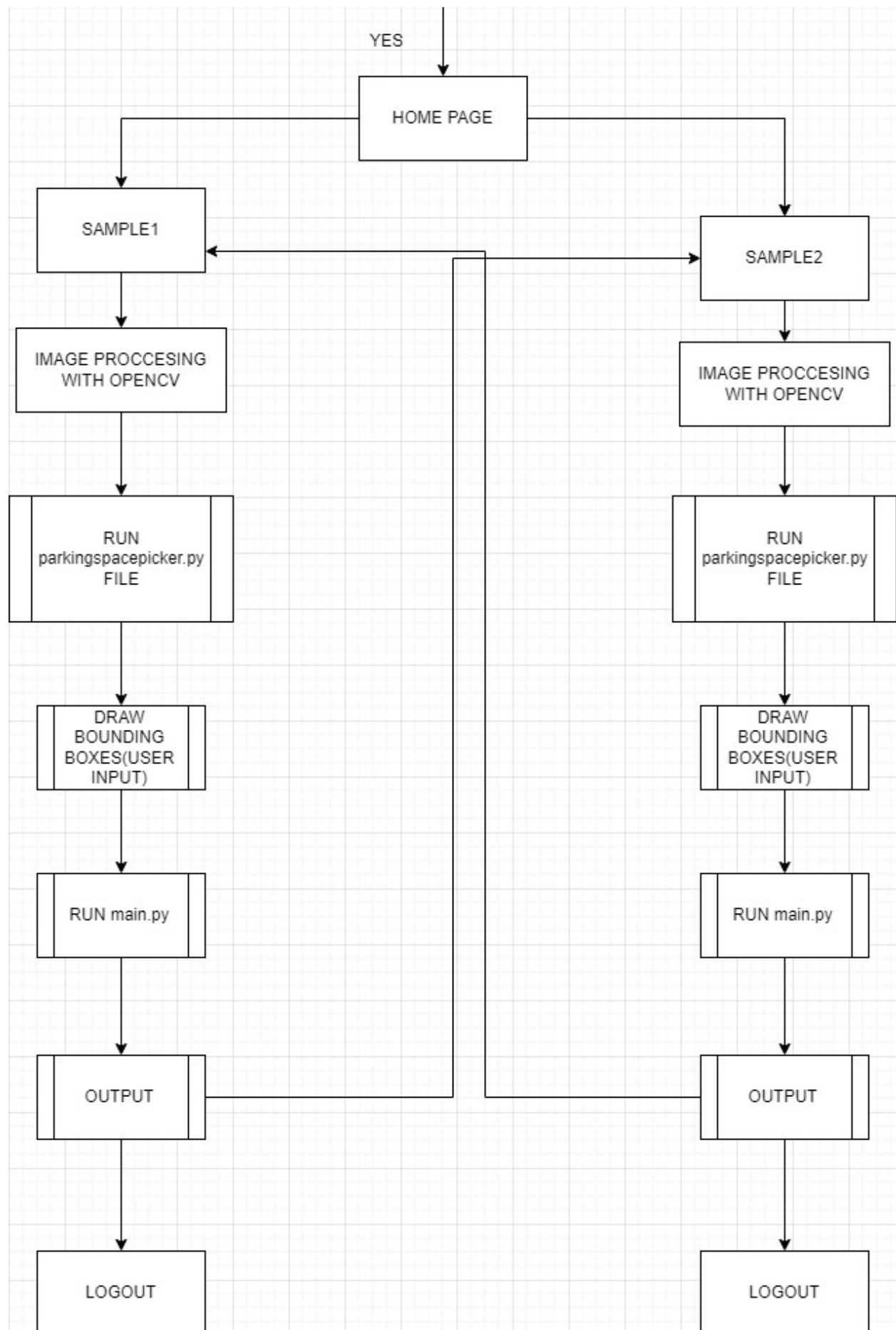
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

DFD Level 0 (Industry Standard)

ACCESS LINK:

<https://drive.google.com/file/d/1DCWpDq1dzVSYO-WqNQR1SHODAhQEKjX/view?usp=sharing>





User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Login	USN-1	As a user, I want to log into the AI-enabled car parking system securely using reliable authentication mechanisms to prevent unauthorized access.	Authorized login	High	Sprint 1
Customer (Web user)	Registration	USN-2	As a user, i want to register if i dont have the correct login credentials	Register a new user if not a user	High	Sprint 1
Customer (Web user)	Registration	USN-3	As a user, there should not be any similar user names in the database to avoid confusion	No duplicate usernames	High	Sprint 1
Customer (Web user)	Home Dashboard	USN-4	As a user i want to access all the sample programs easily	Able to run the project sample files	Medium	Sprint 2
Customer (Web user)	Home Dashboard	USN-5	As a user, i want to know the problem statement ,advantage and disadvantages of the project	Get project information	Medium	Sprint 2
Customer (Web user)	Home Dashboard	USN-6	As a user, i want more examples of the project	More than 1 sample project files	Low	Sprint 3
Customer (Web user)	Home Dashboard	USN-7	As a user i want a safe and secure use of the platform without any errors	Authenticated platform	High	Sprint 3
Customer (Web user)	Features	USN-8	As a user, i want my data to be safe and protected	secure(use sha256 encryption)	High	Sprint 1
Customer (Web user)	Features	USN-9	As a user, i want the user interface to be easy to use and faster to process	User friendly interface	Medium	Sprint 1

Customer (Web user)	Logout	USN-10	As a user, i need a option to logout the web application	Logout option	Medium	Sprint 1
Customer (Web user)	Features	USN-11	As a user i want the i option to choose the bounding boxes as per my requirement	Able to give bounding boxes to the video file	High	Sprint 3
Customer (Web user)	Features	USN-12	As a user, i want to view the original file of the predicted file	View original file of the sample file	Medium	Sprint 2
Customer (Web user)	Features	USN-13	As a user i want to run the individual files of the opencv code	An option to select and execute specific OpenCV files	High	Sprint 2
Customer (Web user)	Features	USN-14	As a user i want to undo the bounding boxes with are wrongly allocated	Option to edit the bounding boxes	High	Sprint 3
Administrator	Features	ADM-1	As a admin, i should protect the data of user and provide the fast and resilient code to predict the empty spaces	Best performance of the project	High	Sprint 3