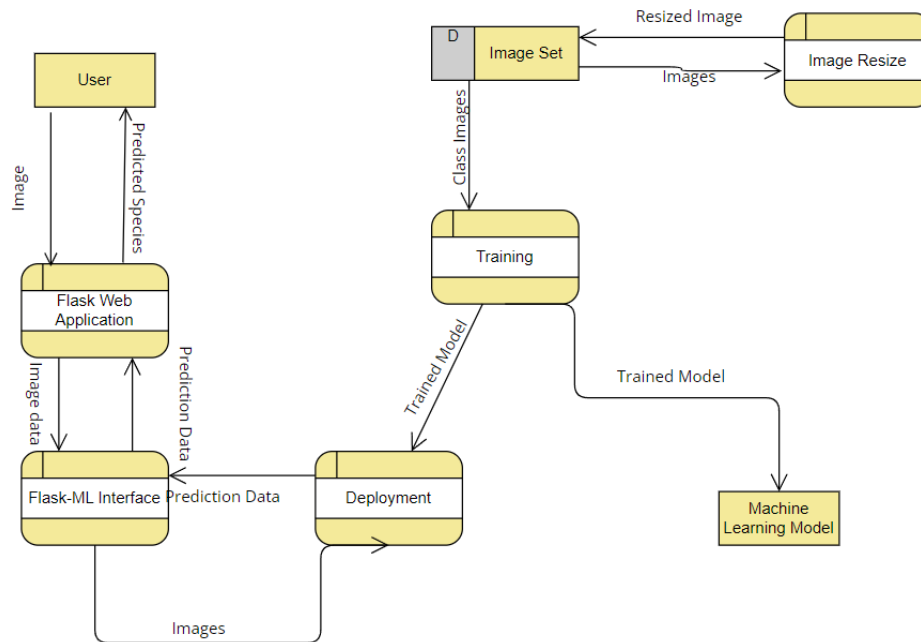


PROJECT DESIGN

Data Flow Diagrams & User Stories



User Type	Functional Requirement (Epic)	User/ Administrator or Story Number	User Story / Task	Acceptance criteria	Priority	Release
User (Web page user)	Index	USN-1	As a user, I can choose between the home page and the page for predictions	I can access both pages	Medium	Sprint-1
	Upload	USN-2	As a user, I can upload an image of a big cat	The application allows me to select and upload an image, providing feedback on the	High	Sprint-1

				successful upload		
	Species prediction	USN-3	As a user, After uploading the image, I expect the model to predict the species of big cats.	The application displays the predicted species along with a confidence score, allowing me to understand the model's level of certainty.	High	Sprint-1
	Performance	USN-4	As a user, I want quick results without significant delays.	The model provides predictions within 5 seconds of image upload, ensuring a responsive user experience.	Medium	Sprint-1
	User-Friendly Interface	USN-5	As a user, I expect the web application to be easy to use and navigate.	The interface is intuitive, with clear instructions for uploading images, viewing predictions, and accessing interpretation tools.	Low	Sprint-2
Administrator	Model Deployment	ADN-1	As an administrator, I need to deploy the latest version of the trained model.	The system allows me to easily deploy the latest version of the model, ensuring that users have	High	Sprint-1

				access to the most up-to-date classification capabilities .		
	Model Retraining	ADN-2	As an administrator, I want to initiate model retraining with new data.	The admin interface allows me to trigger the retraining process, ensuring that the model adapts to changes in the dataset and maintains high accuracy over time.	Low	Sprint-2

Solution Architecture

