

The screenshot shows a mobile application interface. On the left, there's a sidebar with 'Courses' and 'Groups'. Under 'Courses', there are three items: 'TEXAS A&M UNIVERSITY AT ALEXANDRIA' (2202-CSE-1310-004), 'TEXAS A&M UNIVERSITY AT ALEXANDRIA' (2202-CSE-2320-001), and 'TEXAS A&M UNIVERSITY AT ALEXANDRIA' (2202-CSE-3320-001). Under 'Groups', there is one item: 'GroupMe' (2202-COMM-3300-001). The main content area is titled 'Assignment Details' for '2202-CSE-3310-004-FUNDAMENTALS OF SOFTWARE ENGR'. It shows 'Submission & Rubric' and 'Description'. The description includes instructions for naming UML diagrams (e.g., TeamX_UML_Type_00x) and a list of diagram types with their minimum requirements: Class (CD) - Minimum of 1, Use Case (UC) - Minimum of 1, Activity (AD) - Minimum of 3, Sequence (SD) - Minimum of 2, and State Machine (SM) - Minimum of 1. It also instructs users to name each diagram and place them in a PDF file named TeamX_UML_33104_Spring2020. At the bottom, there are buttons for 'Submit Assignment', 'Calendar', '10 Do', and 'Inbox'.

Use Case: Depict
overall usage of our App

AD1: User log

AD2: User interface interaction

AD3: Submission of photo to interact with ML model

AD4: Back end interaction with Model

ADS: Adjustments

SD1: Front end interaction

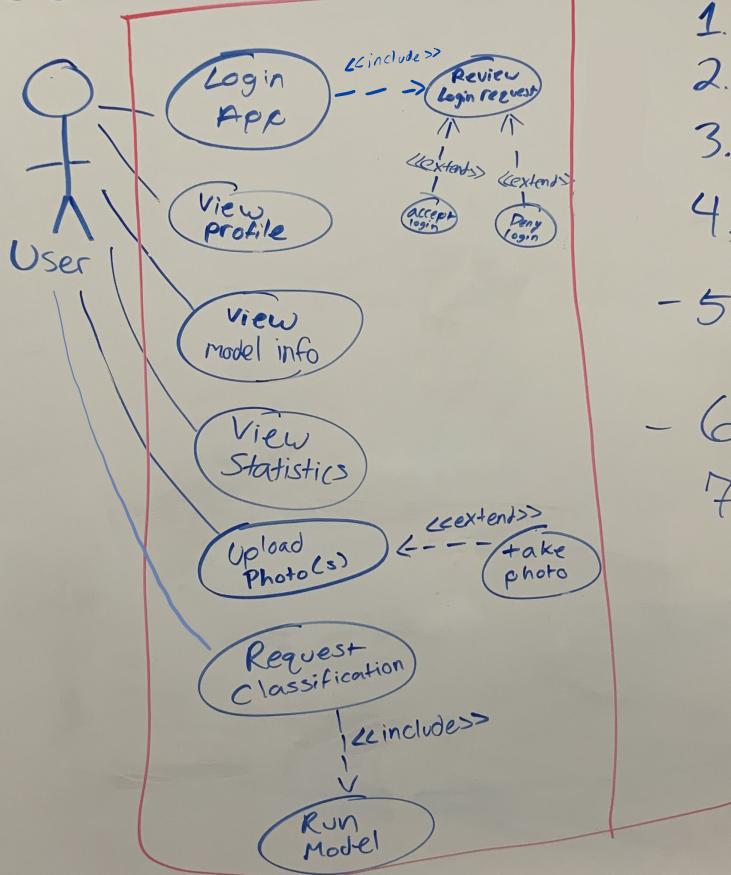
SD2: Training Model \Rightarrow Test

SD3: Test \Rightarrow Deployment

State diagram: Backend

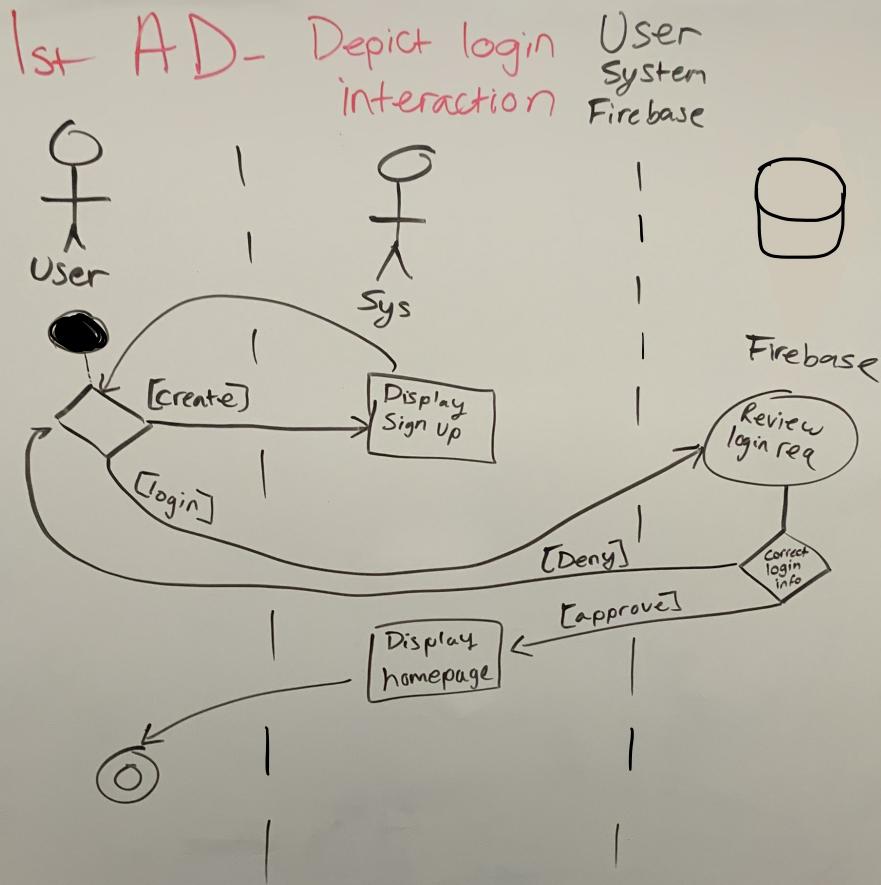
Class diagram

Use Case Sys boundary

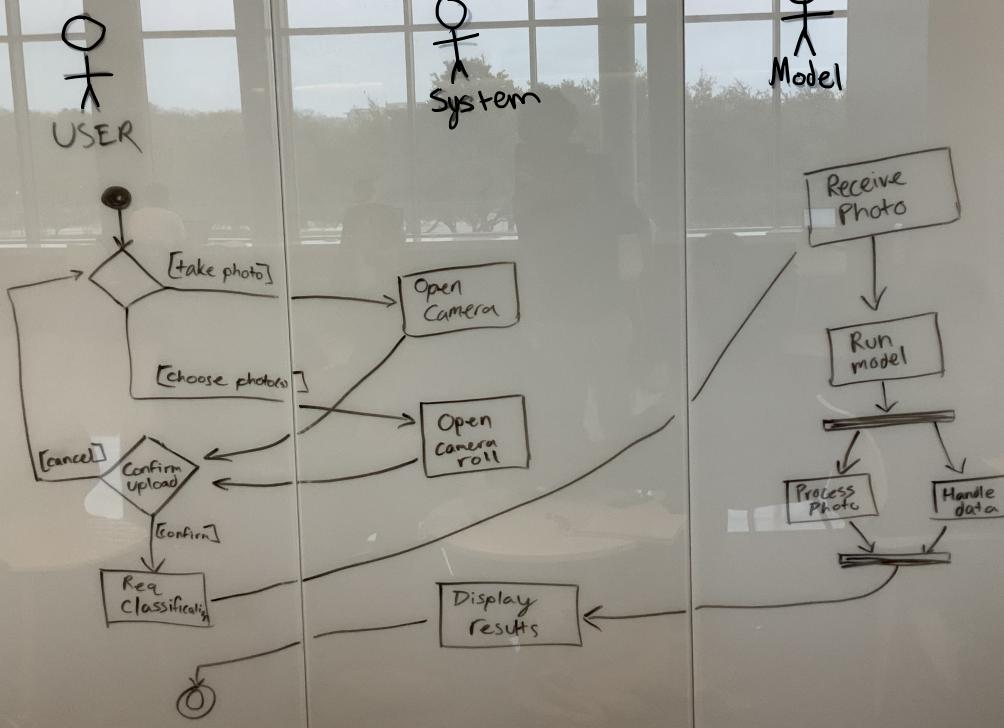


Req

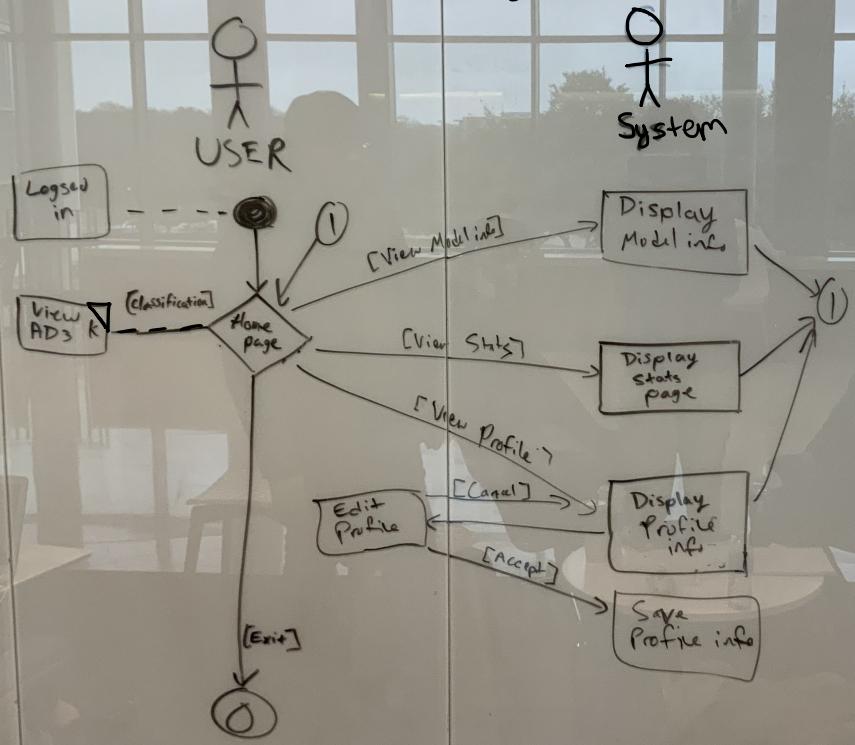
1. Login -
2. Homepage -
3. Profile page -
4. Classification model
- 5. Model information (about page)
- 6. Statistics
7. optional camera



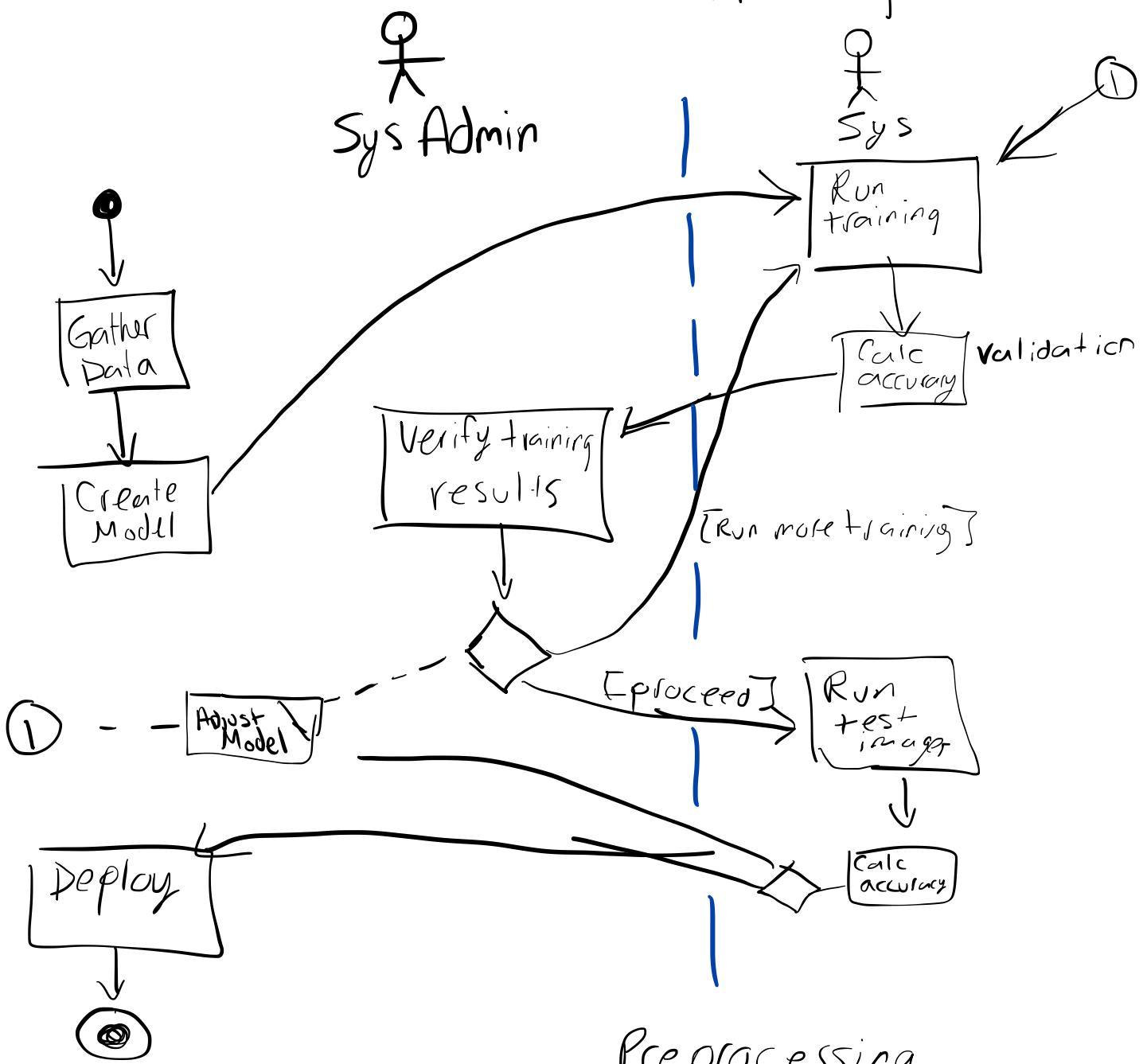
Activity Diagram 3: Interaction with Model



Activity Diagram 2: Home page interaction



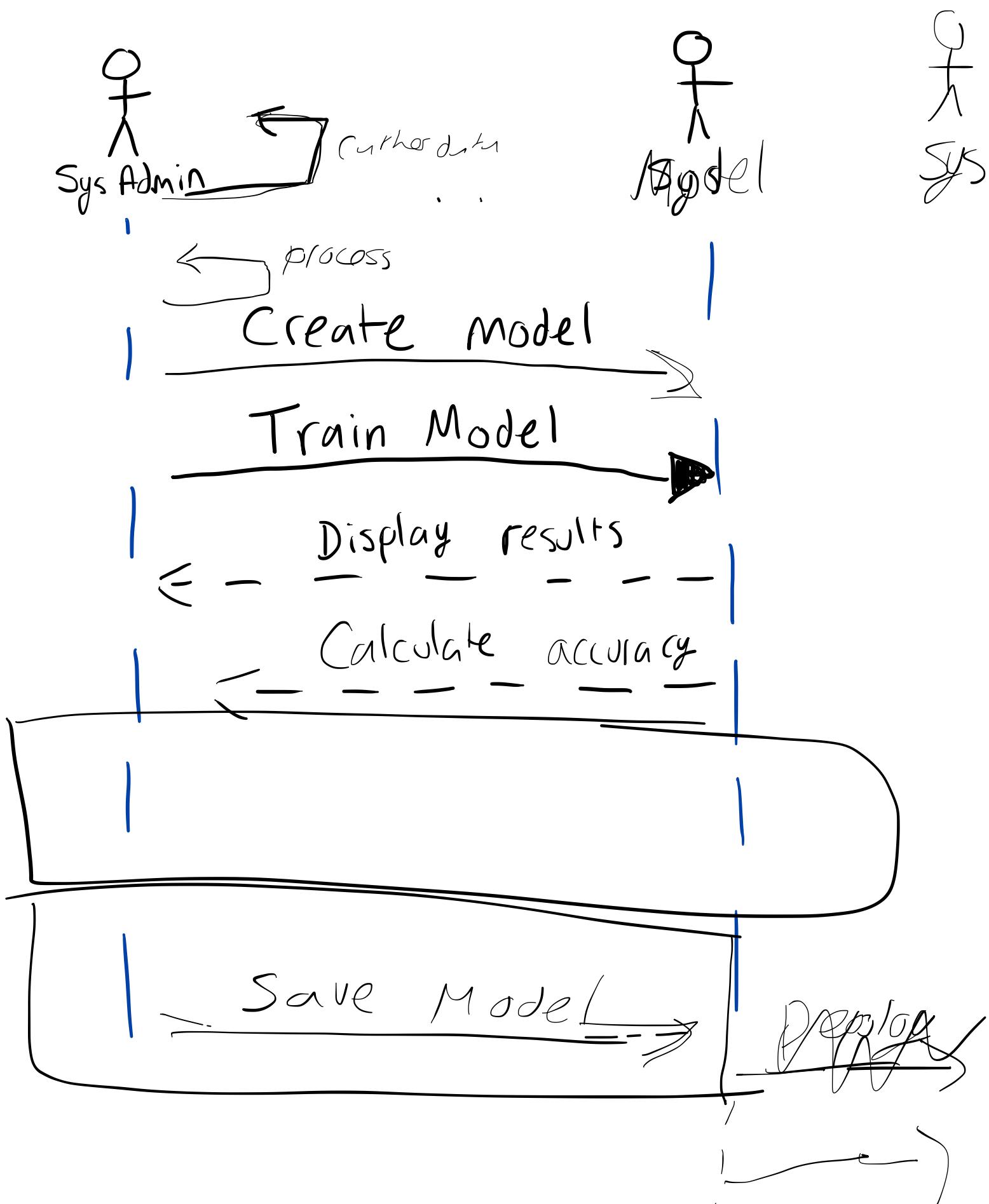
Activity Diagram 4: Back-end training model

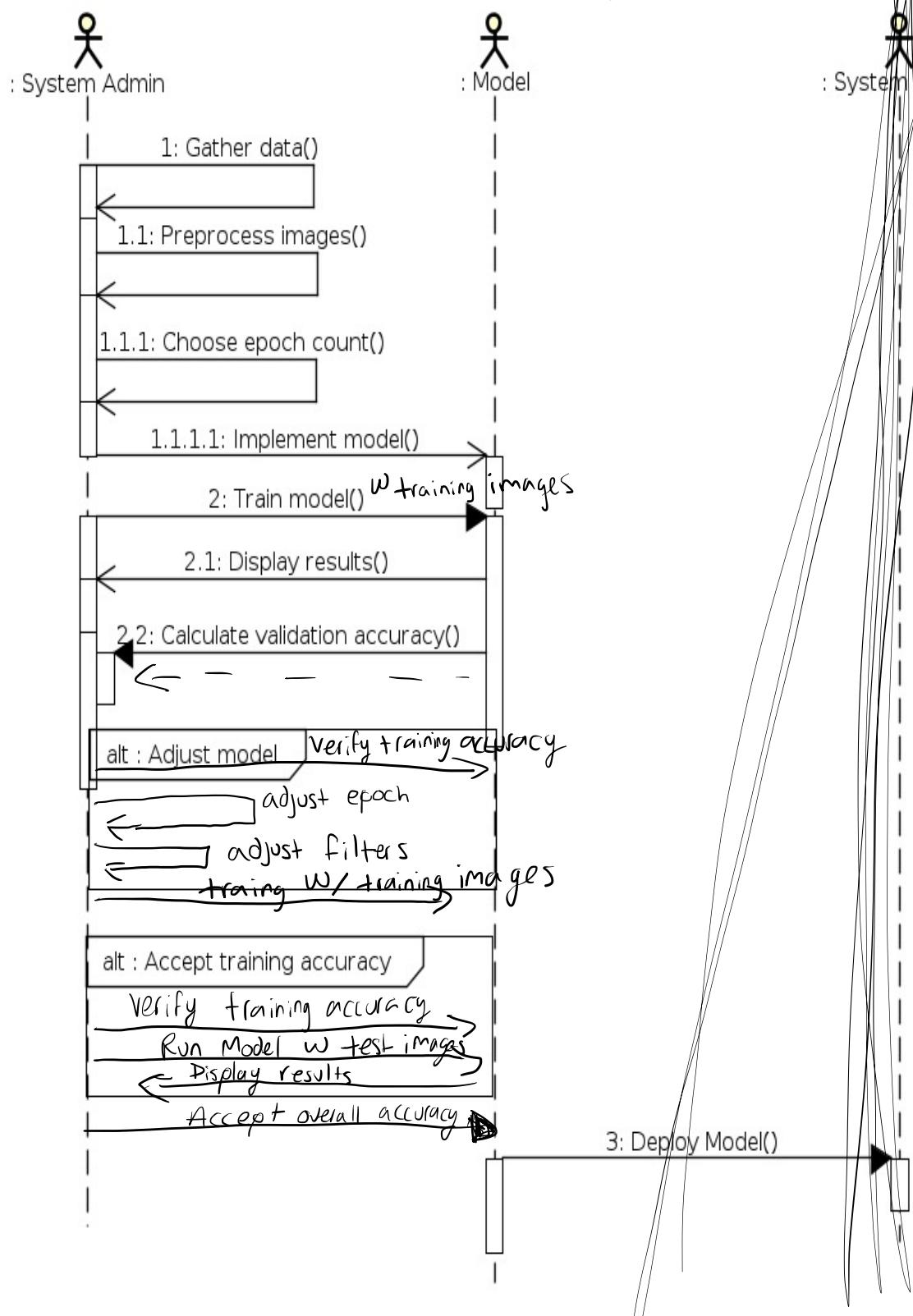


ADS: Adjust Model
 Hyperparam
 (Model)

- Preprocessing
- Split data
- Define Model
 - Epoch count

SD 1 Training → Deployment

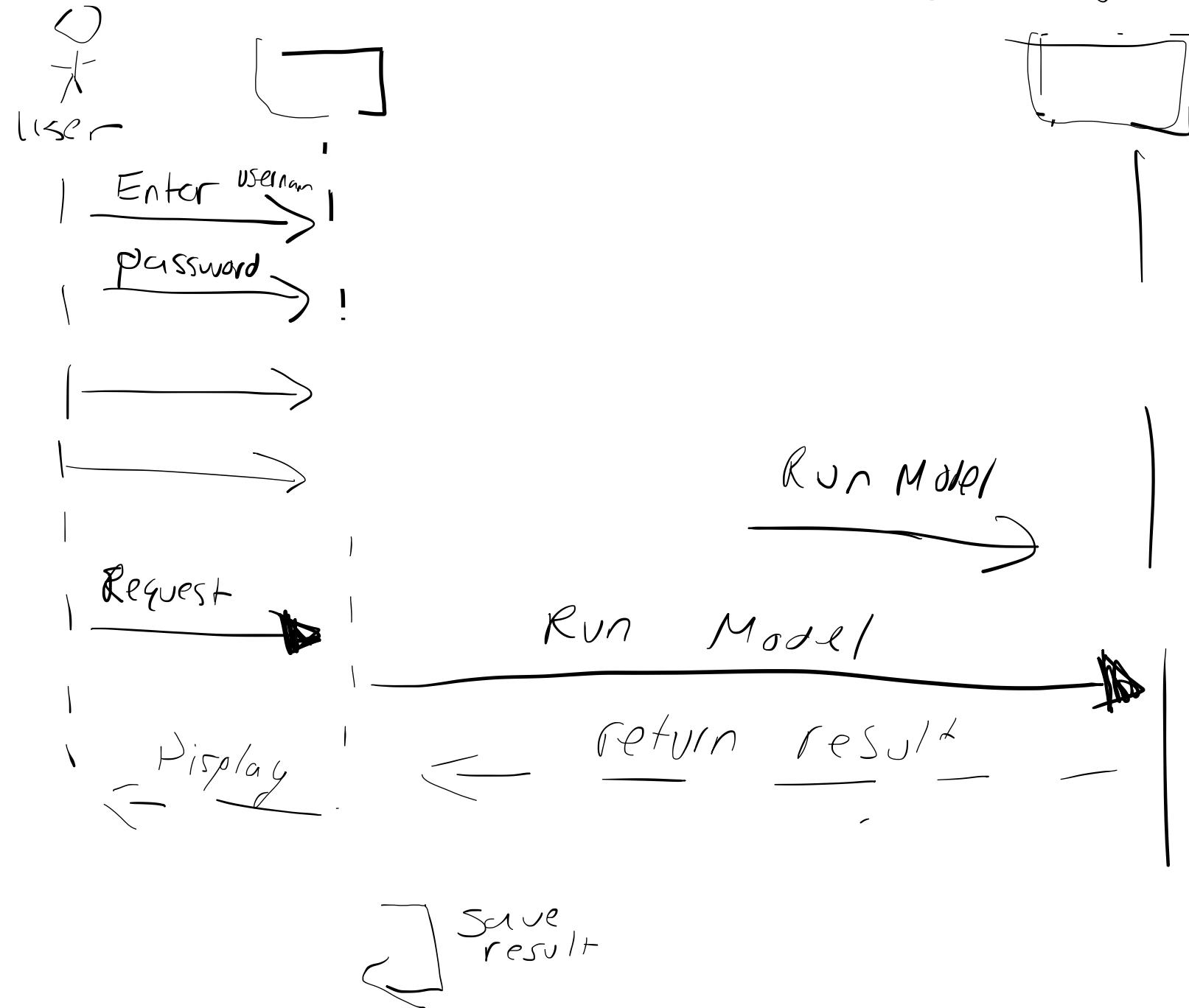




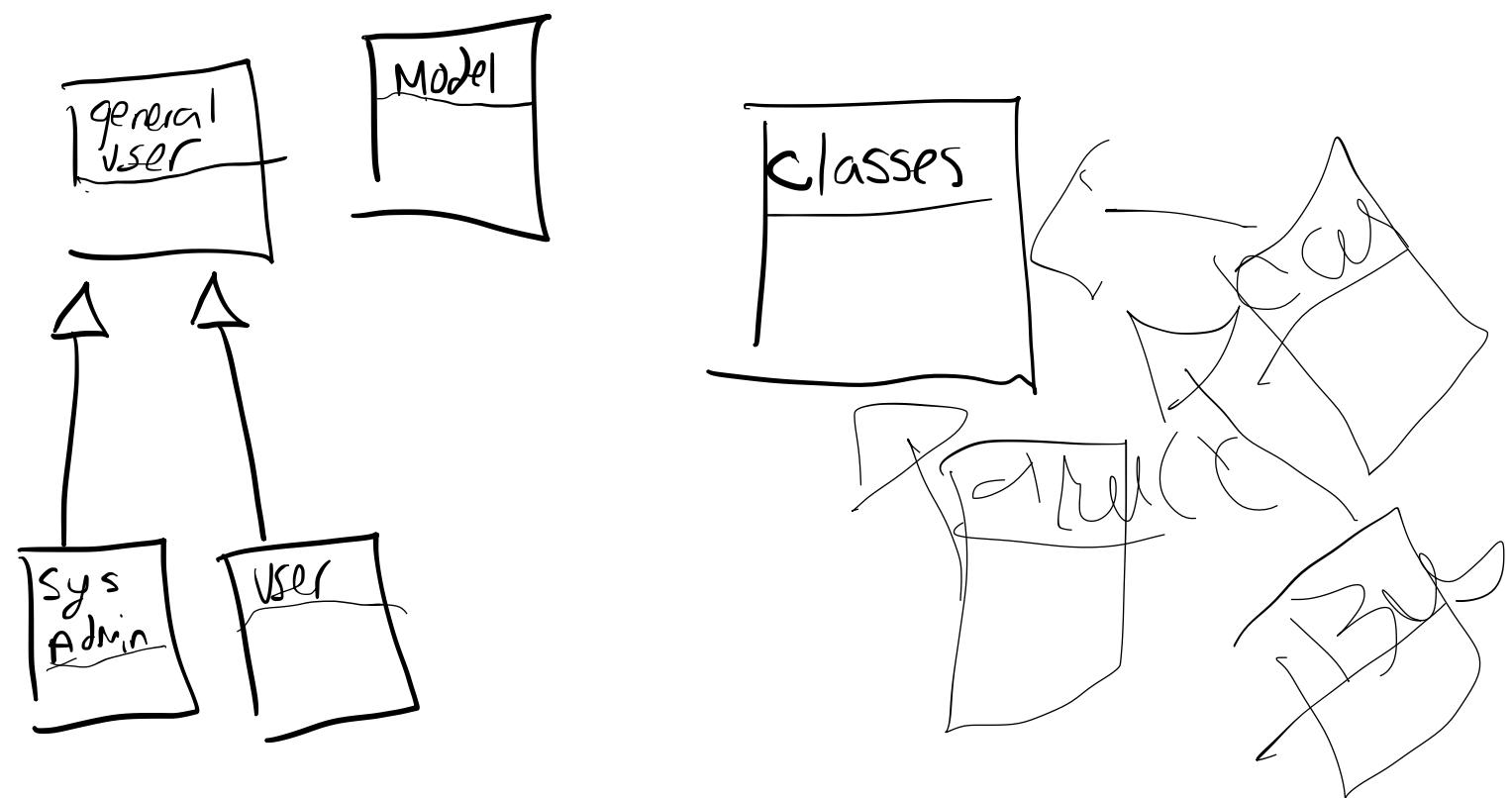
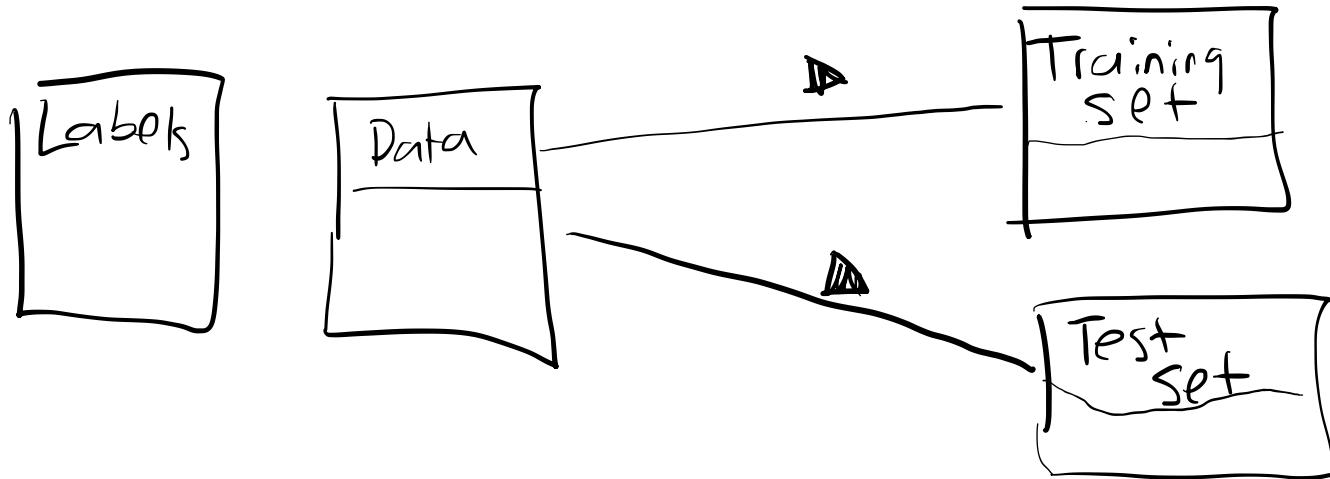
S D002 : Testing → Deployment

Frontend

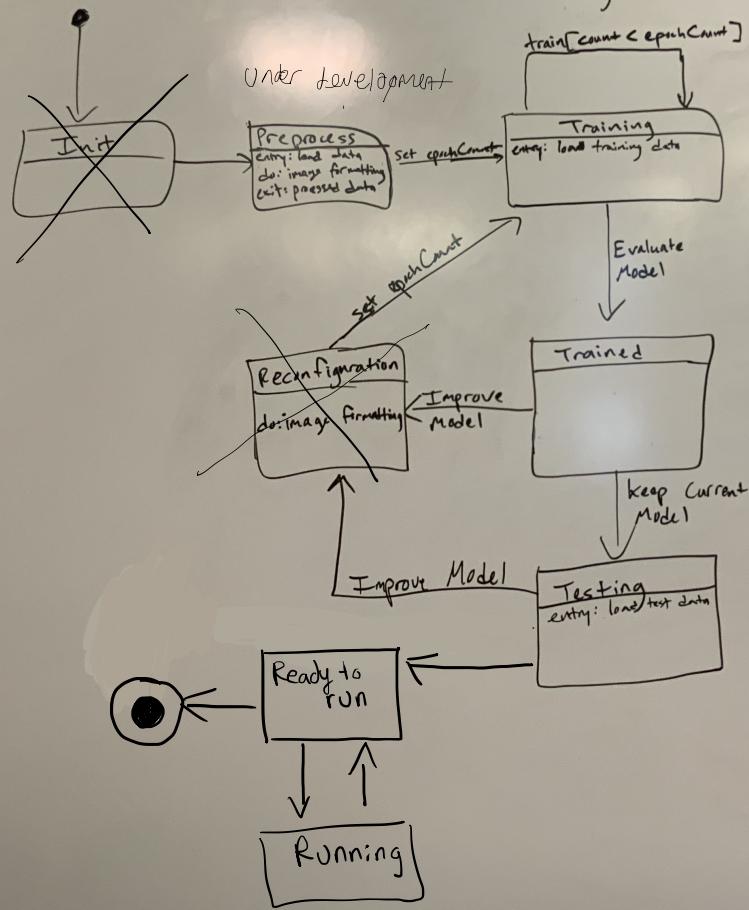
Backend



Class Diagram



Backend State Diagram



Old Version

