PROBLEM STATEMENT

MANY TABLET DEVICES DON’T HAVE AN ACTIVE PALM REJECTION SUPPORT AND FOR THIS THERE’S A LOT OF PROBLEM IN MAKING NOTES WITH ANNOTATIONS IN TABLET & PURCHASING AN ANOTHER TABLET WITH THIS PALM REJECTION SUPPORT IS OF HIGH COST.

BRIEF SOLUTION

IT IS WELL UNDERSTOOD THAT THE TIP OF A STYLUS HAS A SMALL SURFACE AREA, WHILE THE PALM HAS A MUCH LARGER ONE. USING THIS LOGIC, WE CAN CREATE BACKEND CODE THAT DISTINGUISHES BETWEEN INPUTS. WHEN BOTH THE STYLUS AND THE PALM TOUCH THE SCREEN, THE INPUT FROM THE LARGER AREA (THE PALM) WILL BE DISREGARDED, AND ONLY THE INPUT FROM THE SMALLER AREA (THE STYLUS) WILL BE REGISTERED.

APPROACH

MAKING AN APP WHICH WILL WORK ON THE FOLLOWING BACKEND BY USING THE LOGIC:

‘IF THERE ARE MULTIPLE AREAS GIVING INPUT TO THE SCREEN, TAKE THE INPUT ONLY FROM THE SMALLEST ONE BY USING A THRESHOLD VALUE OF AREA’

PROTOTYPE AND TECH STACK

TECH STACK: 1. FLUTTER/DART 2. ANDROID STUDIO CODE

MVP PROTOTYPE REPOSITORY: https://github.com/YowaiMo-Koustav/OwlTakes

BACKEND WORKFLOW

GIVING INPUT TO SCREEN

IF PALM

BACKEND LOGIC:
action cancel
NOT TAKING PALM INPUT

IF STYLUS

BACKEND LOGIC:
touchdata
TAKING STYLUS INPUT

BOTH PALM & STYLUS

BACKEND LOGIC:
action cancel
NOT TAKING PALM INPUT

MULTIPLE INPUTS INCLUDING STYLUS

BACKEND LOGIC:
action cancel
NOT TAKING ANY INPUT RATHER THAN STYLUS