SIH-2022(SOFTWARE EDITION)

TEAM – BETTER BOTS

PROBLEM STATEMENT(NR1097)

ORGANIZATION - NATIONAL INSTITUTE FOR EMPOWERMENT OF PERSONS WITH MULTIPLE DISABILITIES (NIEPMD), MINISTRY OF SOCIAL JUSTICE & EMPOWERMENT.

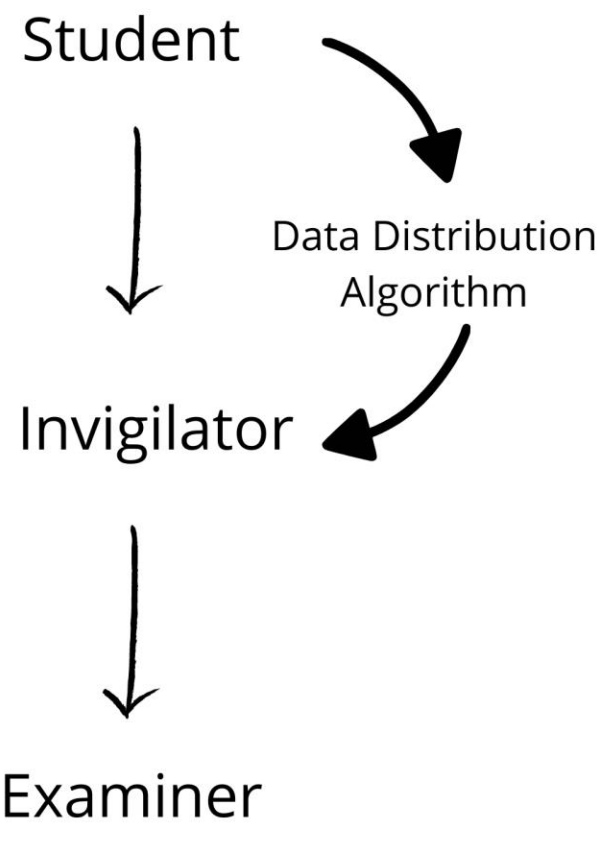
- "Build a web application to simplify Examination, Attendance and tracking Evaluation process Students commit errors while filling up the attendance detail may lead to greater difficulty in identifying the answer booklets at the time of Evaluation process. Technical staff / Support staff at examination center may also commit errors while typing answer booklet numbers. It becomes greater difficulty while decoding the Barcodes of the answer booklets. The Web application /Mobile application may be introduced to get the attendance detail (Present/Absent) and it can be linked with the student data for the purpose of attendance entry. "" The same data may also be shared to the Evaluation center for Coding and Decoding of the Answer booklets"

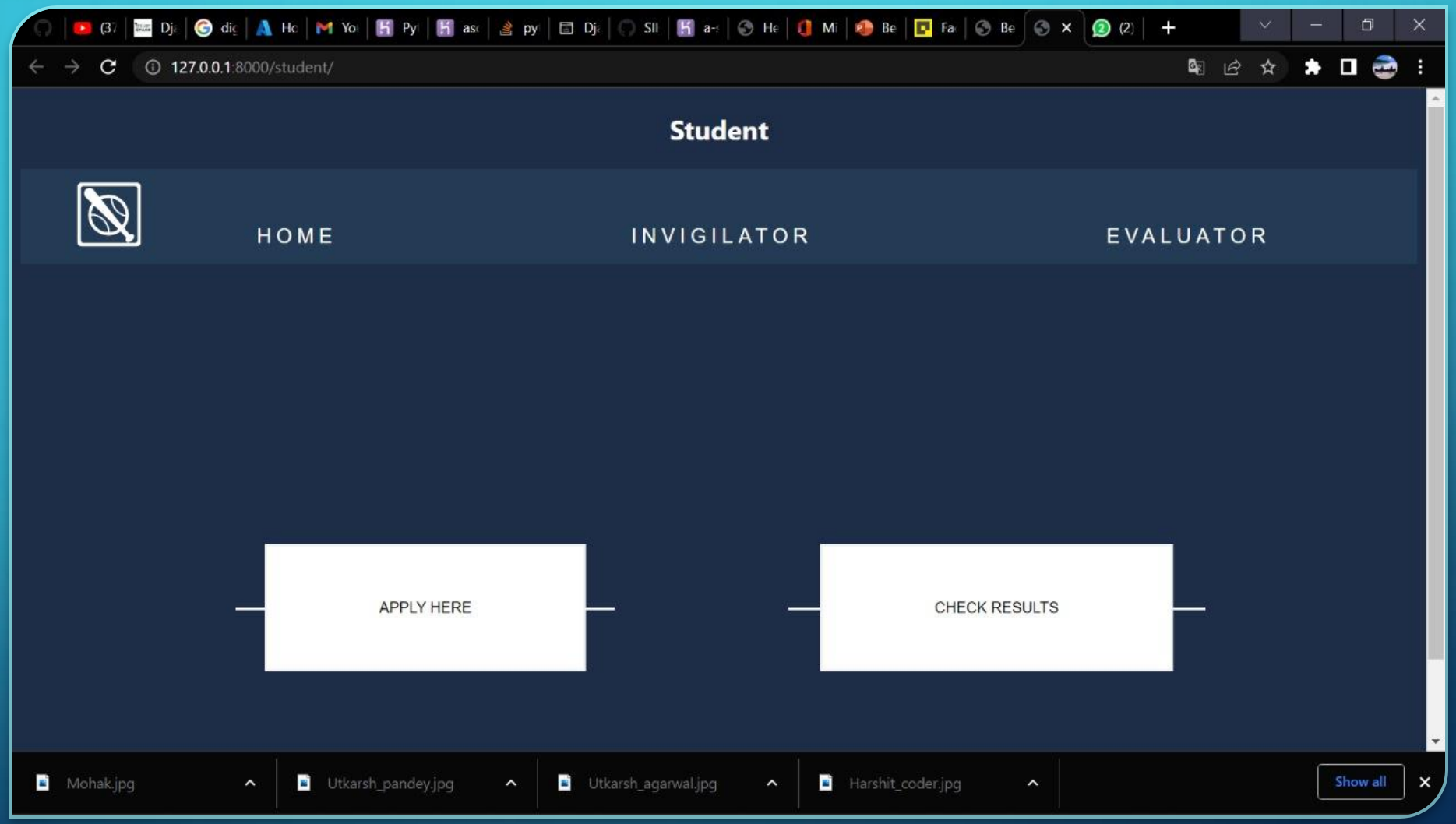

127.0.0.1:8000
ASCAN
National Institute of Empowerment of Persons with Multiple Disabilities
STUDENT
INVIGILATOR
EVALUATOR
Mohak.jpg
Utkarsh_pandey.jpg
Utkarsh_agarwal.jpg
Harshit_coder.jpg
Show all

Our Model Works for

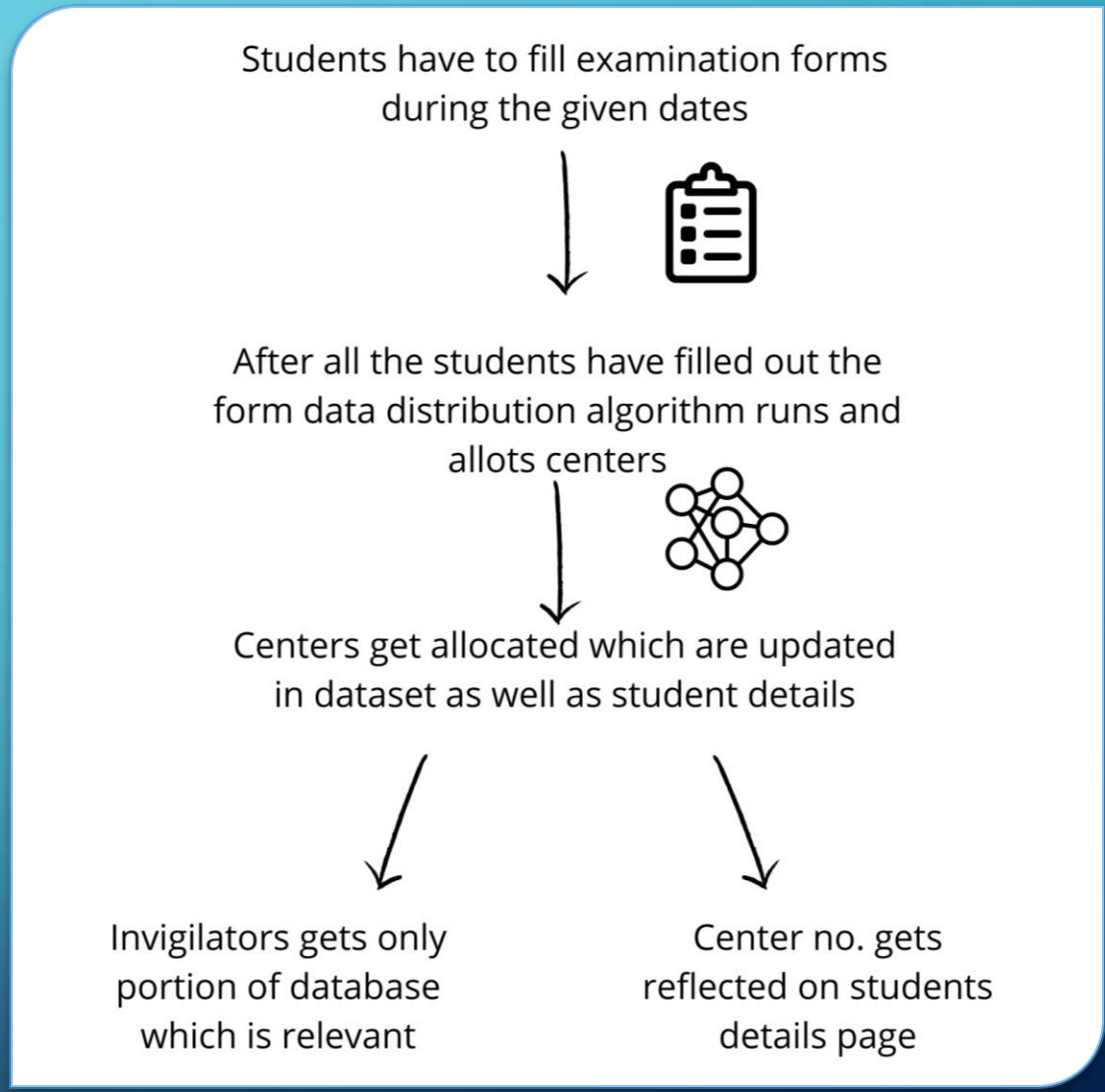
Normal students

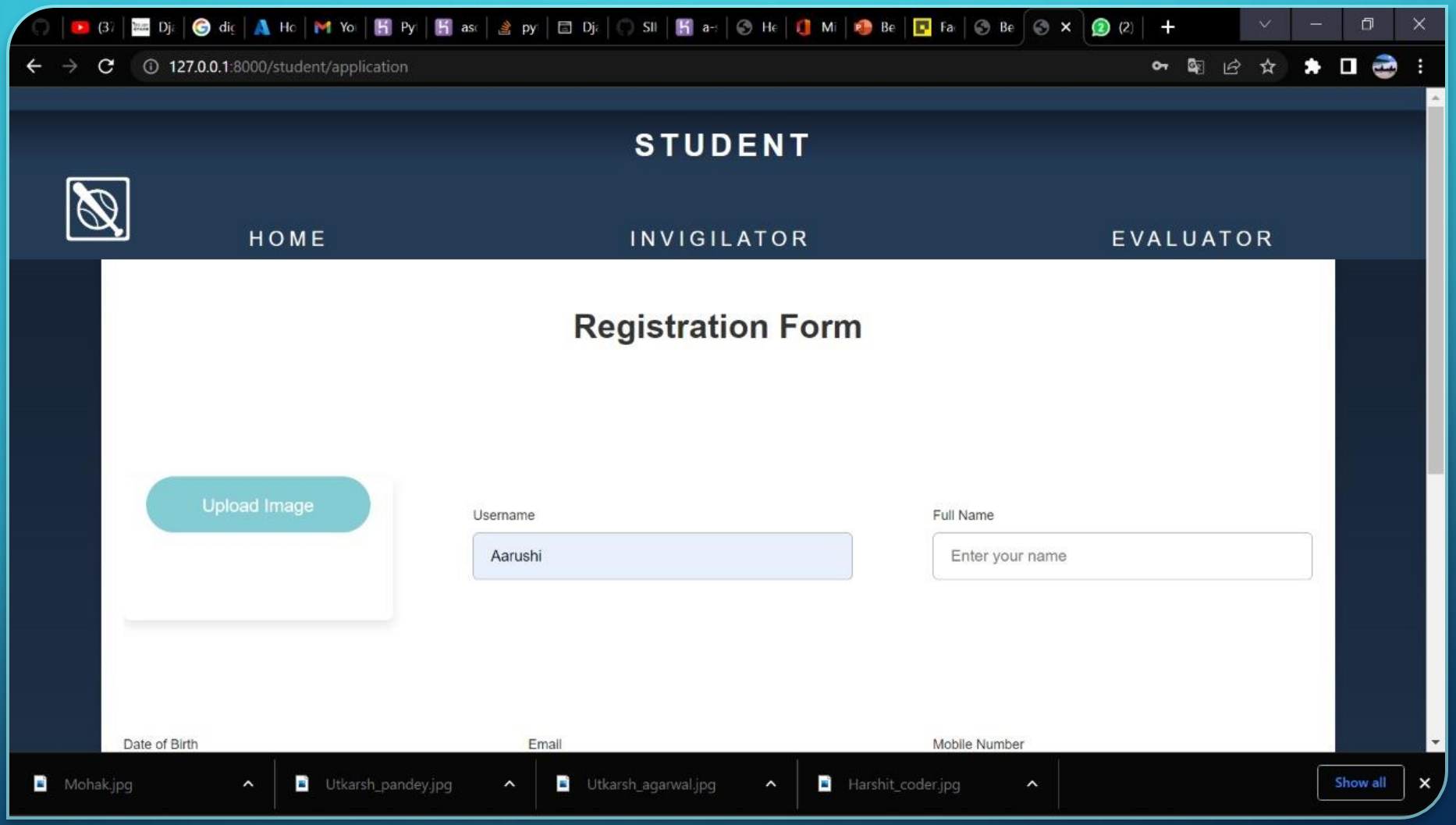
Diffrently abled Students



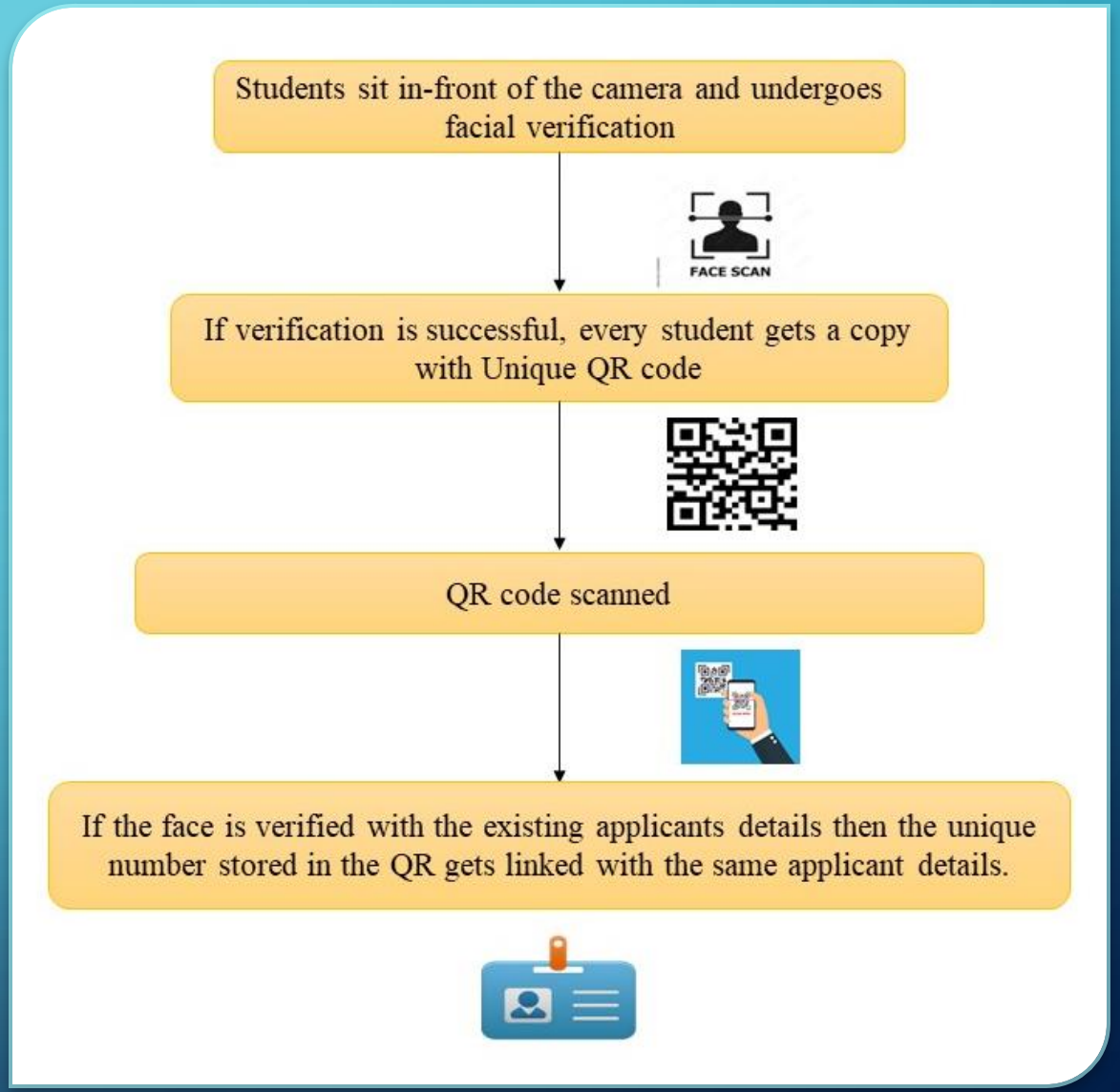

127.0.0.1:8000/student/
Student
HOME
INVIGILATOR
EVALUATOR
APPLY HERE
CHECK RESULTS
Mohak.jpg
Utkarsh_pandey.jpg
Utkarsh_agarwal.jpg
Harshit_coder.jpg
Show all

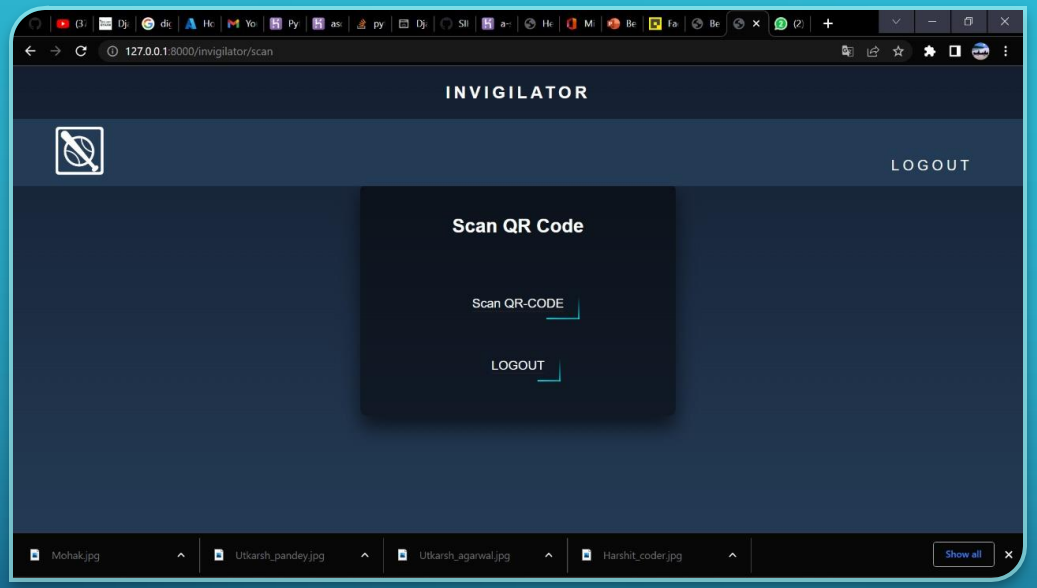
WHAT HAPPENS AT THE STUDENT'S SIDE?

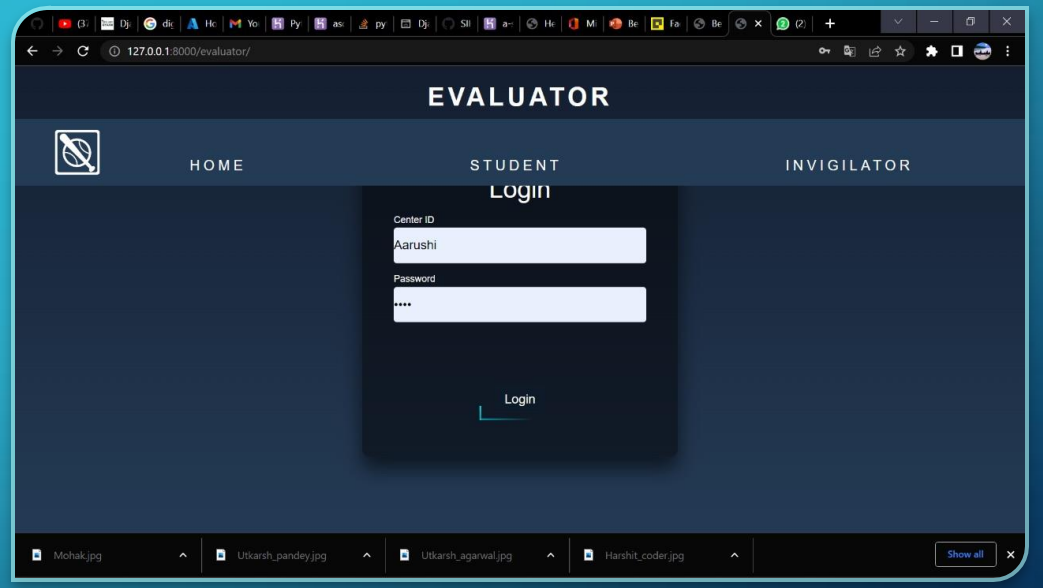



127.0.0.1:8000/student/application
STUDENT
HOME
INVIGILATOR
EVALUATOR
Registration Form
Upload Image
Username
Aarushi
Full Name
Enter your name
Date of Birth
Email
Mobile Number
Mohak.jpg
Utkarsh_pandey.jpg
Utkarsh_agarwal.jpg
Harshit_coder.jpg
Show all

WHAT HAPPENS ON THE INVIGILATOR SIDE?




127.0.0.1:8000/invigilator/scan
INVIGILATOR
LOGOUT
Scan QR Code
Scan QR-CODE
LOGOUT
Mohak.jpg
Utkarsh_pandey.jpg
Utkarsh_agarwal.jpg
Harshit_coder.jpg
Show all


127.0.0.1:8000/evaluator/
EVALUATOR
HOME
STUDENT
INVIGILATOR
Login
Center ID
Aarushi
Password
Login
Mohak.jpg
Utkarsh_pandey.jpg
Utkarsh_agarwal.jpg
Harshit_coder.jpg
Show all

WHAT HAPPENS AT THE EXAMINER SIDE?

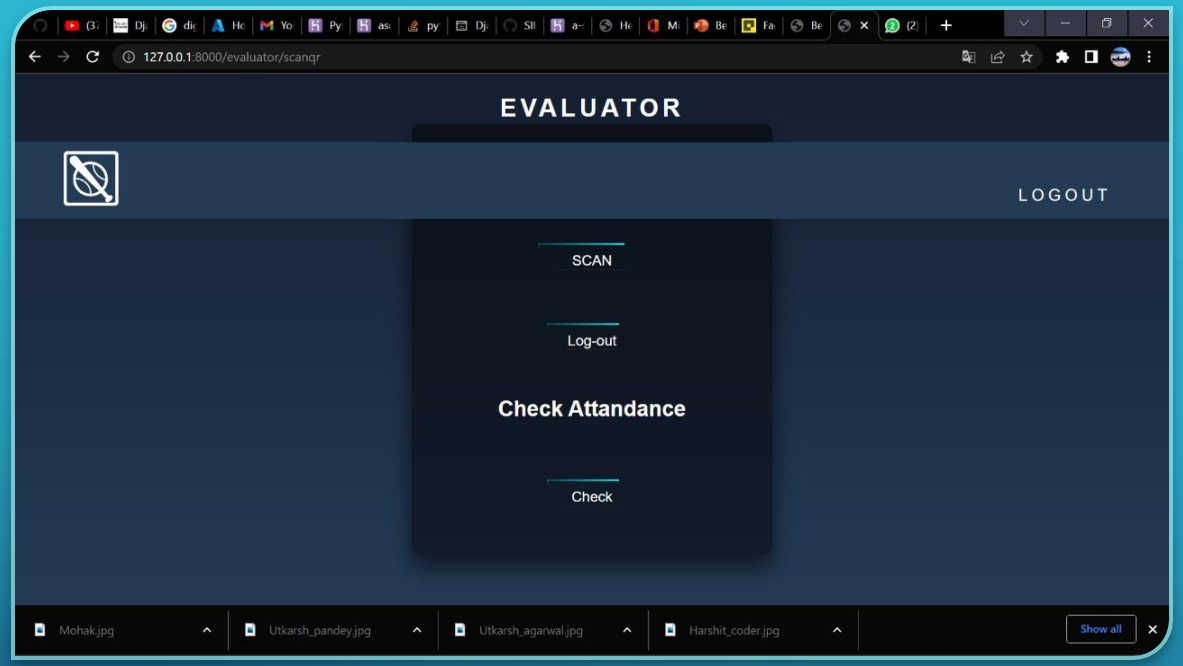
Examiner logs into his account with credentials

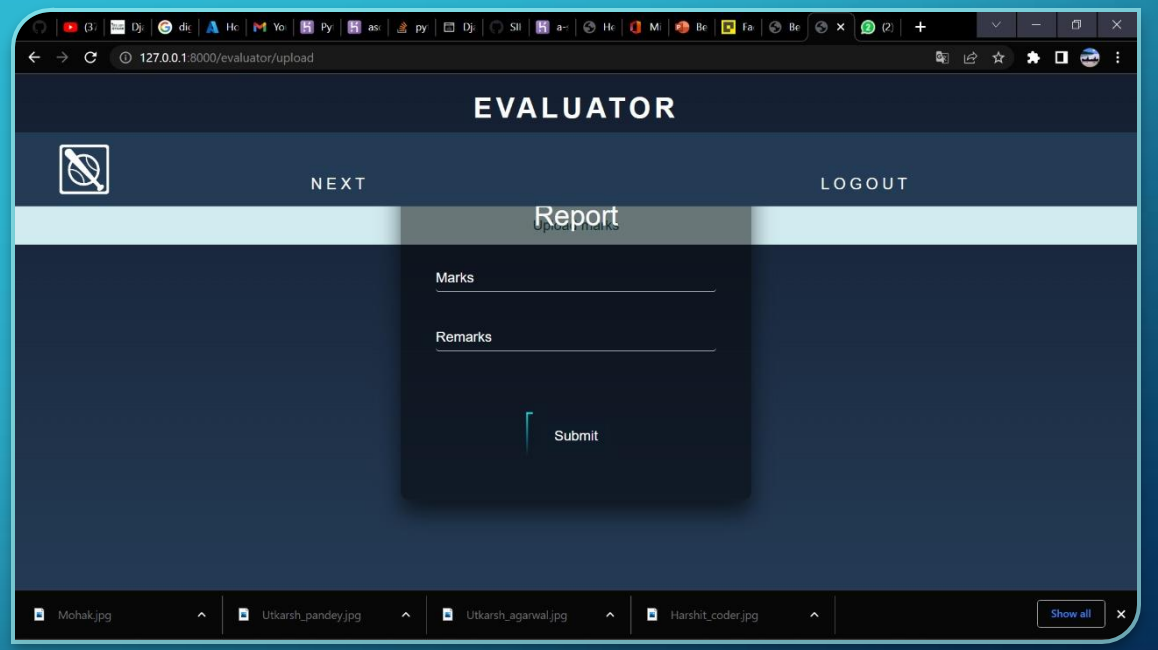
They are given an answer copy with unique QR code which is to be evaluated

Examiner need to scan QR code after Evaluation

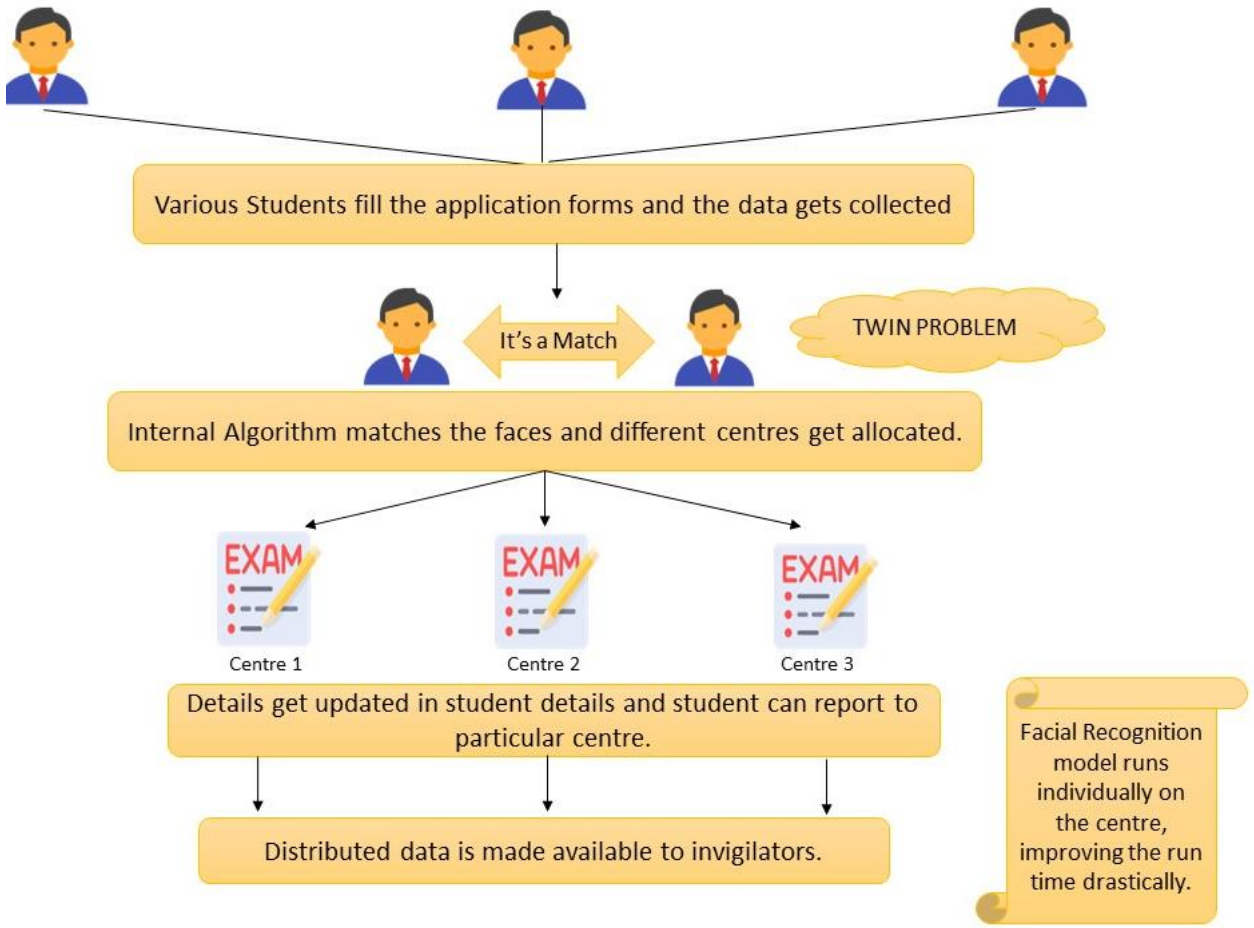
An interface appears where they can upload marks

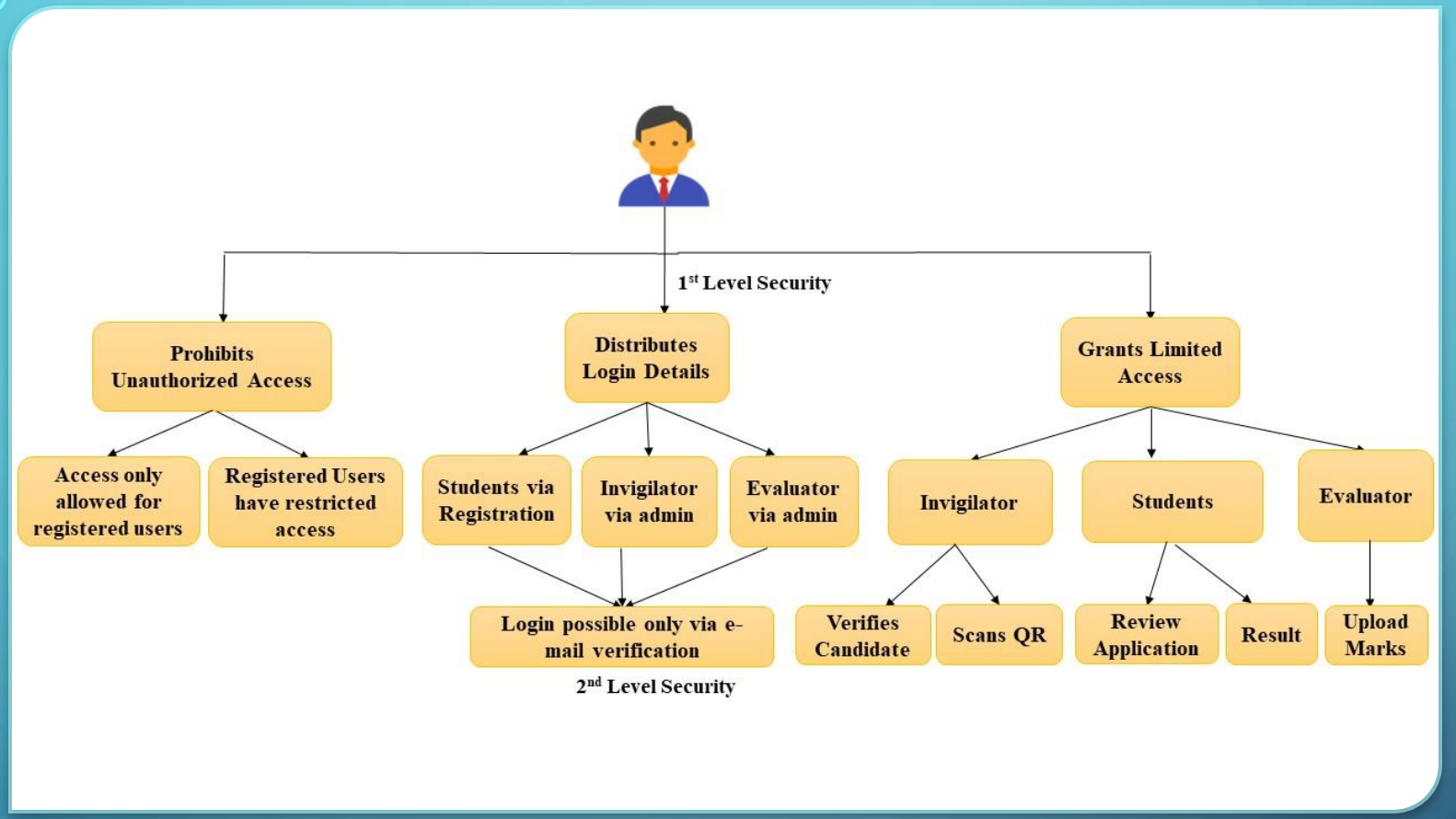
Details get reflected on the students cehck result page


127.0.0.1:8000/evaluator/scanqr
EVALUATOR
LOGOUT
SCAN
Log-out
Check Attandance
Check
Mohak.jpg
Utkarsh_pandey.jpg
Utkarsh_agarwal.jpg
Harshit_coder.jpg
Show all


127.0.0.1:8000/evaluator/upload
EVALUATOR
NEXT
LOGOUT
Report
Marks
Remarks
Submit
Mohak.jpg
Utkarsh_pandey.jpg
Utkarsh_agarwal.jpg
Harshit_coder.jpg
Show all

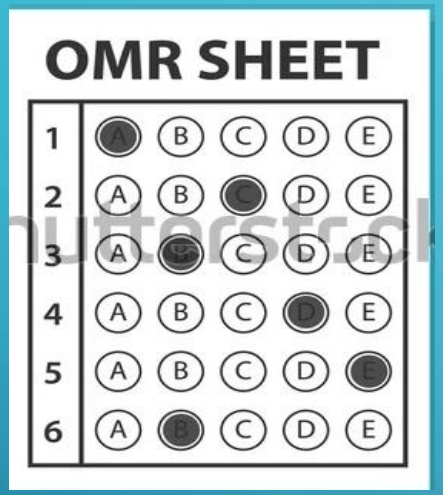
THE TWINS PROBLEM AND FAST AUTHENTICATION





SECURE USER LOG IN SYSTEM

FURTHER ADVANCEMENTS



- Evaluators work automated in OMR based examination.
- With slight modifications can also be used for online examinations.
- During processes like ERP registration, the data-linking facial recognition and QR model can be very useful.

WE ARE OPEN FOR YOUR QUESTIONS