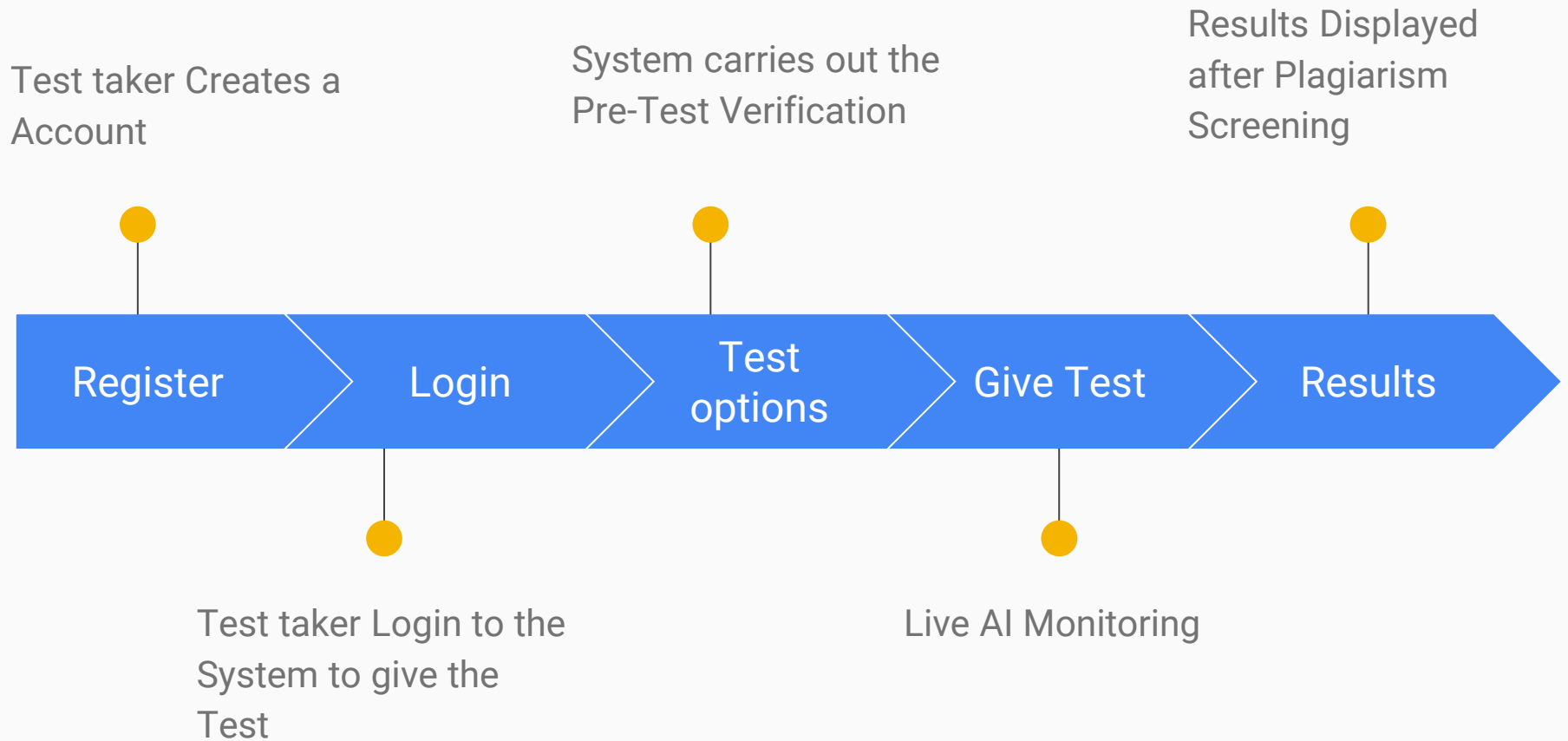
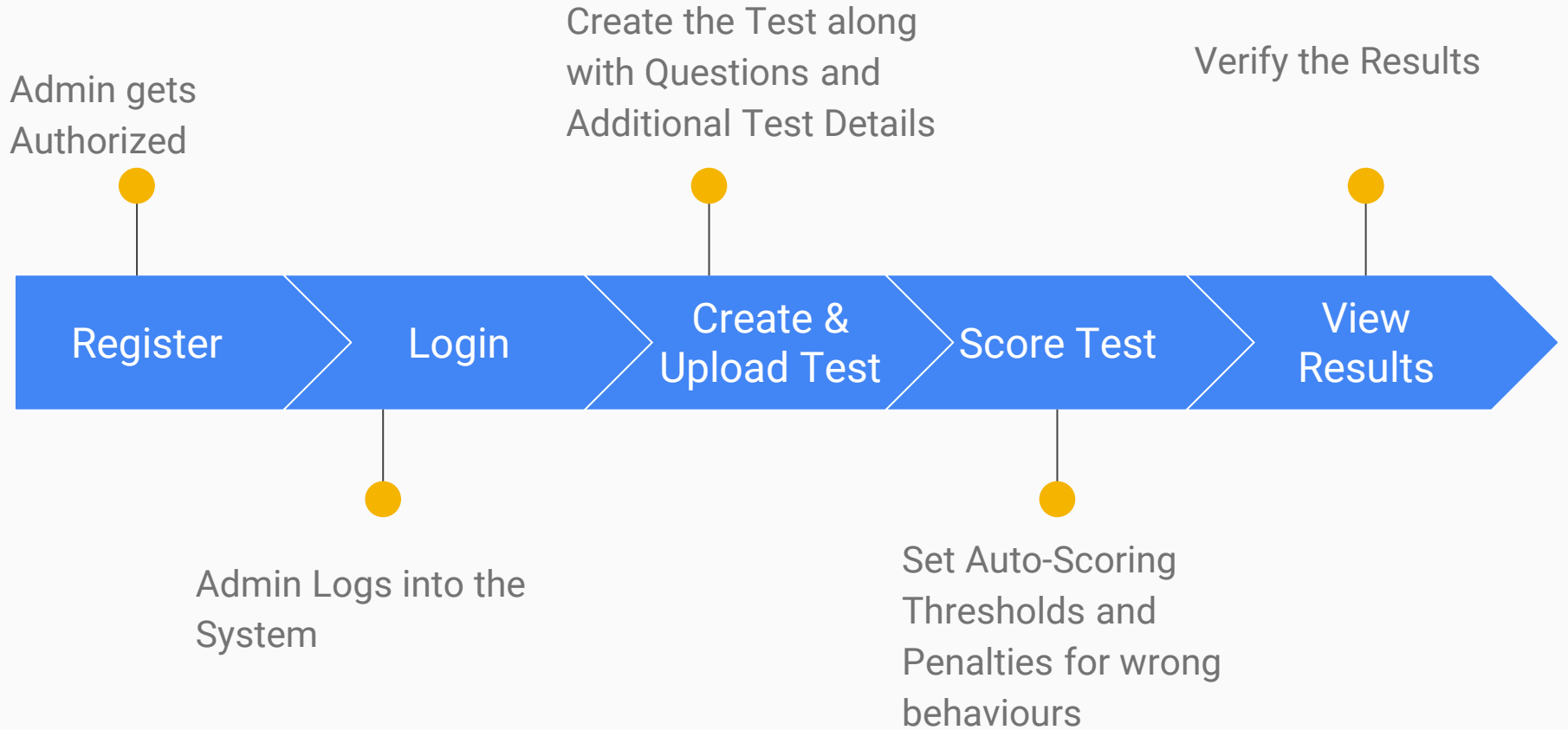


AI Proctored Examination System

Nerds of a Feather TM
Team number : 81



Workflow for Test taker

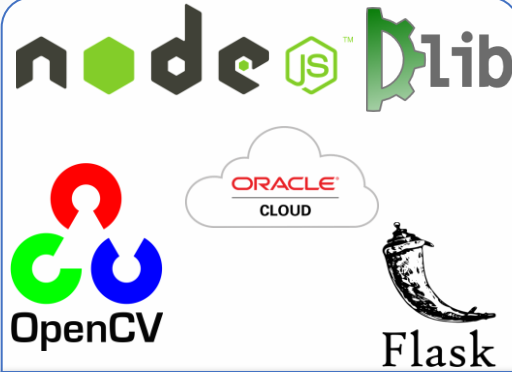


Workflow for Admin/ Test setter

Technology Stack



Front-End



Backend



Database And
Data Storage

Intelligent Services

1. Face Verification

- Dataset: [Labeled Faces in the Wild](#)
- Accuracy: [99.38%](#)
- Implemented Algo: [One Shot Siamese Network](#)

1. Face Detection

- Dataset: [Labeled Faces in the Wild](#)
- Implemented Algo: [Haar-Cascade Classifier](#)
- Accuracy : [95%](#)

1. Human Body Detection

- Dataset & Accuracy: [IRNIA Person Dataset](#)
- Implemented Algo: [HOG Descriptor & SVM](#)

4. Face Landmark Detection

- Dataset: [Face Images with Marked Landmark Points](#)
- Implemented Algo: [HOG + Linear SVM](#)

5. Motion Detection

- Dataset: [UCI Machine Learning Repository](#)
- Implemented Algo: [Background Subtraction](#)

Future Scope

1. **Plagiarism Score calculator**
2. Live Streaming of audio and video to the backend and efficient storage on Cloud
3. Node sanitisation, network sanitisation and **OS hardening**
4. Curbing malpractices of **remote interference** during the test
5. Integration of audio monitoring
6. Integration of intelligence in the test frame of the website

Team Members

---THANK YOU---

- Hrim Gandhi
- Suyash More
- Shreyansh Chordia
- Parth Wani
- Prathamesh Gurav

You can check out our website at:

<http://140.238.162.141:5000/>