REAL TIME ATTENDANCE SYSTEM

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PROJECT DOMAIN

- *"Image recognition for verification and authentication on mobile based application"*

- Application:

  - Attendance System

  - Tracing recorded data

PROJECT DESCRIPTION

- *Users*
  - Admin
  - Teacher
  - student
- Modules
  - User Authentication
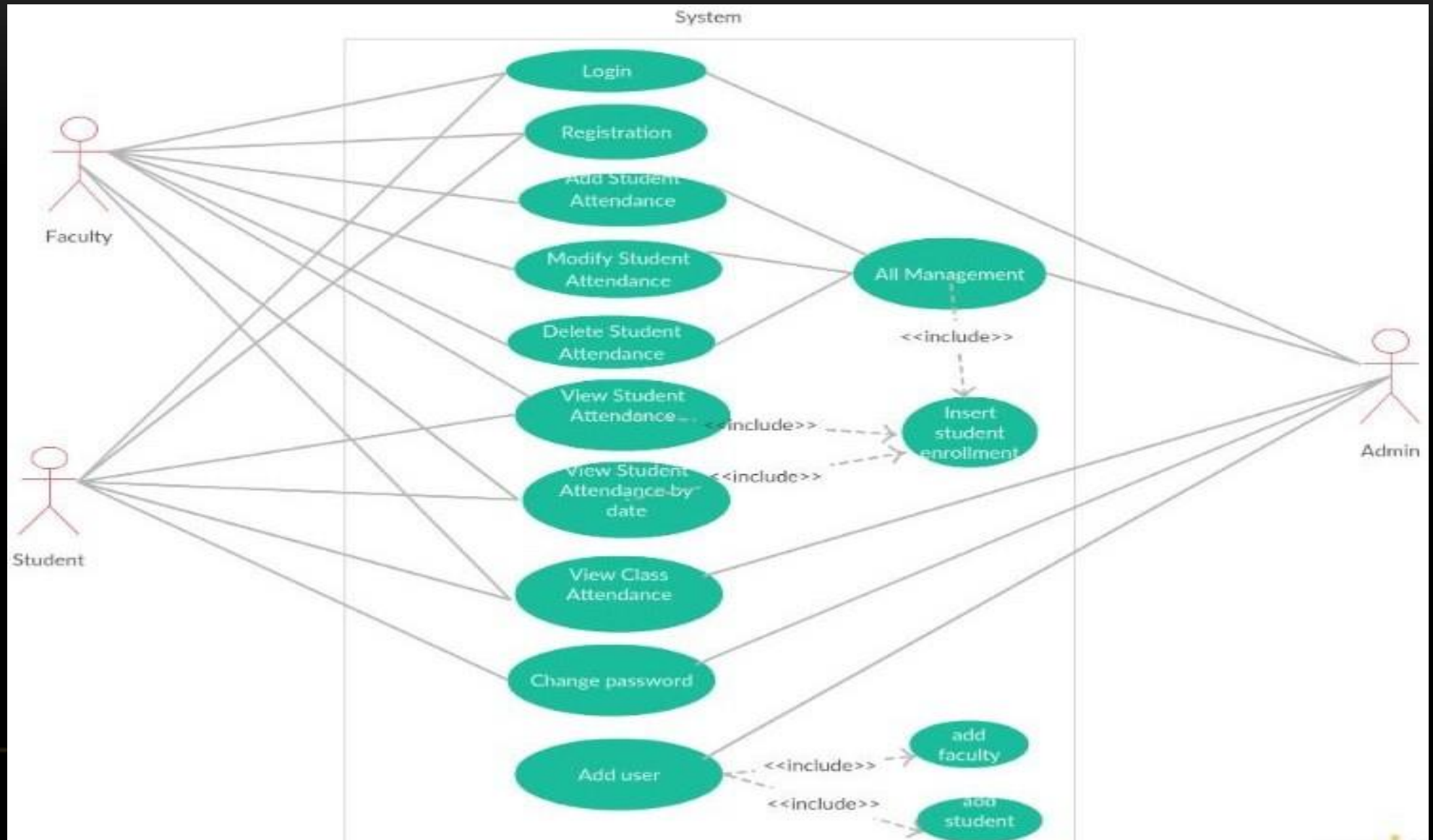 - Image Recognition
  - Marking Attendance

WHY IMAGE RECOGNITION ?

- Face recognition is one of the biometric methods to smart attendance system.

- Being a prime feature of biometric verification, facial recognition is being used enormously in several such applications, like video monitoring and CCTV footage system, an interaction between computer & humans and access systems present indoors and network security.

- By utilizing this framework, the problem of proxies and students being marked present even though they are not physically present can easily be solved.

- It also reduce the cost of system as no hardware device is used for biometric verification unlike other smart attendance system .

TECHNOLOGY STACK

- **Languages**
  - Java
  - XML(Extended Markup Language)

- **Database**
  - SQLite

USECASE DIAGRAM

OBJECTIVES

- To make attendance system transparent

- To avoid proxy

- To make record keeping easy and manageable

- Minimal paper work

- To analyze performance of student in terms of attendance

- Reduce the cost of system

CONCLUSION

- In this system an Android based mobile application for Attendance Monitoring is presented.

- The application offers reliability, time saving and easy control.

- It can be used as a base for creating similar applications for tracking attendance in offices or any workplace.

FUTURE SCOPE

- SMS notification like low attendance reminder

- Messaging between professor and student

- Attendance retrieval in convenient way

REFERENCES

- N. Khan, Balcoh, "Algorithm for efficient attendance management: Face recognition based approach", JCSI International Journal of Computer Science, 2012.

- S. Lukas, A. R. Mitra, R. I. Desanti, D. Krisnadi, "Student Attendance System in Classroom Using Face Recognition Technique", ICTC 2016, 2016.

THANK YOU…!