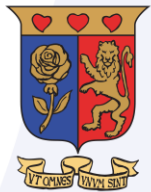


EMPLOYEE TIME TRACKING SYSTEM

Enhancing
Operational
Efficiency in the
Work Place



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BACKGROUND

- Time is of essence in an organization and so are the employees. On the other hand, monitoring of employees' movement in and out of the organization is important.
- There are increased costs incurred due to payment of ghost workers who defraud and hinder growth of organizations'.
- Apparently, time has changed and so has technology. In physical signing of sheets, there is a large gap since anyone can sign into the organization as an employee with possession of fake ID's.

LITERATURE REVIEW



- Biometric devices make two types of errors, False Acceptance Rate and False Rejection Rate according to (Biotech, 2015).
- Alsaadi, 2015, biometric system has some complexity in obtaining high-quality images and finger patterns such as dirt issues, cuts and tear and wear.
- Biotech, 2015, some people aren't fortunate enough to be able to participate in the enrollment process due to loss or damaged body parts such as fingers or eyes.
- The aim of this project is to facilitate employee accountability and eliminate the problem ghost workers.

RESEARCH PROBLEM



- Many organizations' have struggled to curb the challenges of employee accountability including the elimination of ghost workers.
- Moreover, there is also physical signing in whenever one arrives at work and while leaving.
- According to (Wizard, 2016), 'companies with a wide range of employees working at different times and for different rates, face a further challenge that is the burden of accuracy on the employee that eats up time which could have been used productively.
- The error rate in some cases is so high that it creates great chaos for the entire security system. It could happen due to weather, physical condition, age and other issues.



AIM (main objective)

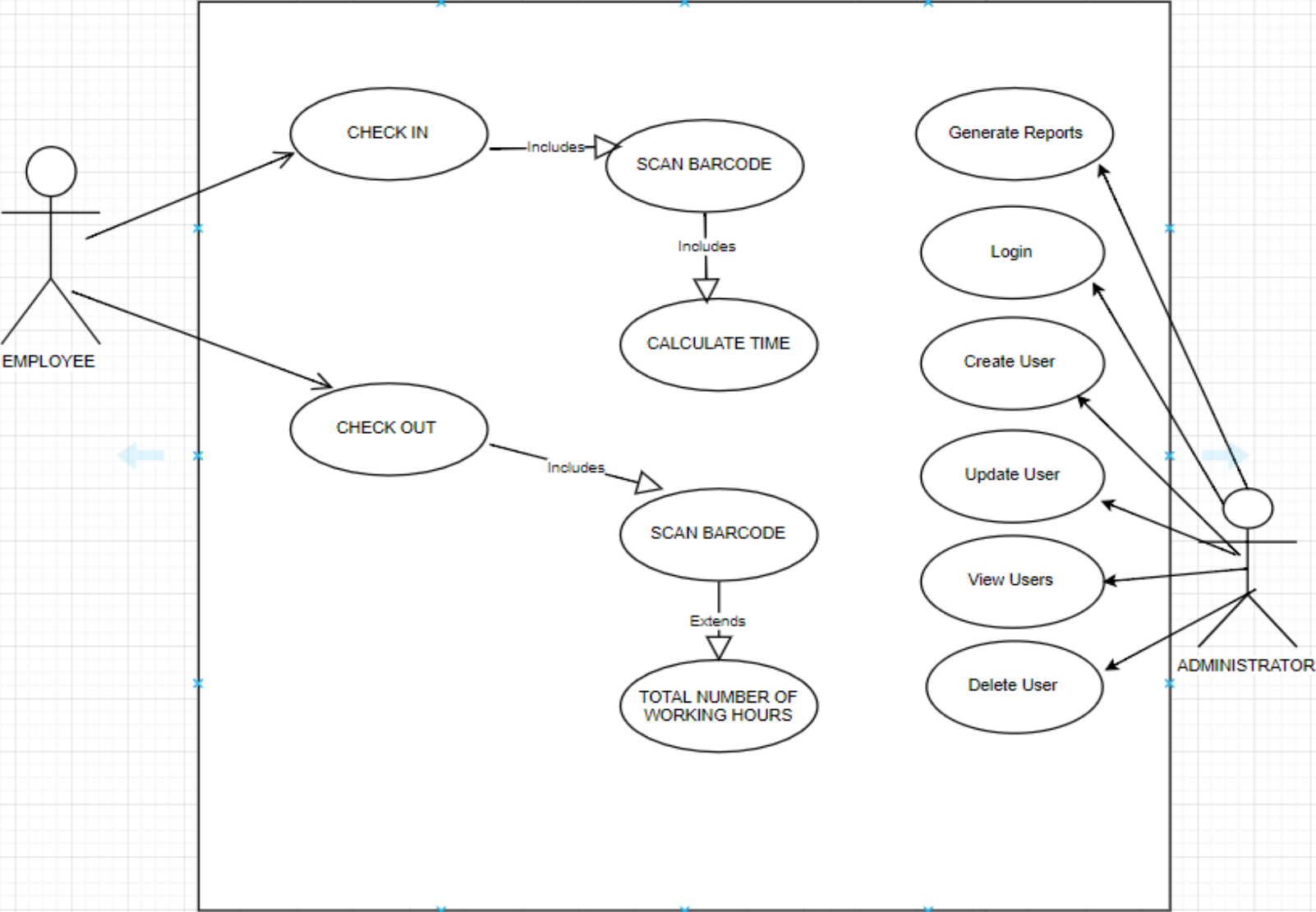
- The aim of this project is to facilitate employee monitoring in the work place using barcode technology to ensure accountability and eliminate the problem ghost workers.



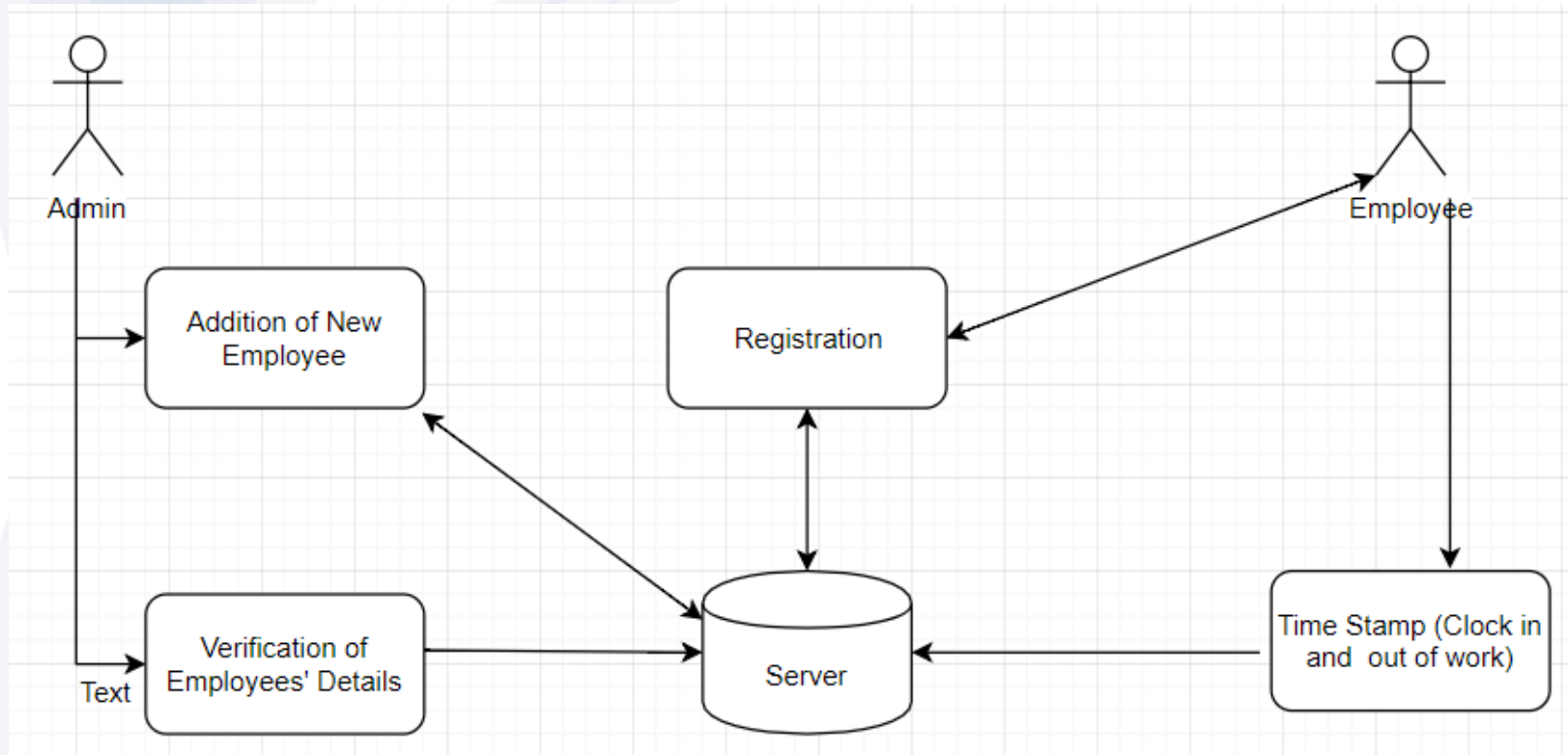
METHODOLOGY

- Under OOAD, there was need to use Rapid Application Development (RAD) which enables the development of a system based on the currently known requirements but can change progressively as one gains better understanding of the requirements.
- Also, there is acquisition of knowledge on the system development. Subsequently, errors can be easily detected as difficult functions can be recognized.

SYSTEM DESIGN



SYSTEM ARCHITECTURE





INTERFACES

- Scan Barcode

SCAN BARCODE.

REGISTER



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- New User

WELCOME TO TOYOTA KENYA PLATFORM.

Register

Username

Email

Password

Confirm password

[Register](#)

Already have an account? [Sign in](#)



2nd

- Login

MY PORTAL.

Login

Username

Password

Login

Admin Login [Admin](#)

Don't have an account? [Sign up](#)



3rd

- Admin Login

MY ADMIN PORTAL.

Admin

Username

Password

Login

Back



4th

- Admin Views Users

Name	Address	Action
Cyrus	089025	Edit Delete
Joy	090125	Edit Delete
Alice	089328	Edit Delete
Sam	085028	Edit Delete
Leila	089005	Edit Delete
Janet	088902	Edit Delete
Brenda	089234	Edit Delete
Nyagah	089021	Edit Delete
Opiyo, Texas	089999	Edit Delete

Name

Address

Save

Logout

5th

• View Users



Print

Search:

Username	Last Access	Action
Awuoro	2018-10-29 13:16:53	Edit Delete
bob	2018-10-29 11:53:04	Edit Delete
Danny	2018-10-29 13:15:26	Edit Delete
Ian	2018-10-28 15:41:54	Edit Delete
Jamian	2018-10-28 15:41:54	Edit Delete
Jojo	2018-10-28 15:41:54	Edit Delete
Lee	2018-10-28 15:41:54	Edit Delete
Mat	2018-10-28 15:41:54	Edit Delete
tom	2018-10-28 15:41:54	Edit Delete

Showing 1 to 9 of 9 entries

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Next

CONCLUSION



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- There are possible works to be done to advance the system more. Barcode scanners help in the advancement of time tracking and reducing organizational expenses as compared to the use of biometrics.
- The maintenance is much cheaper since you only need to buy scanners. In biometrics, one has to incur expenses in purchase of biometric equipment.