

# PATA SERVICES

**A MOBILE APPLICATION  
FOR PROFESSIONAL HOME  
MAINTENANCE SERVICES.**



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# Study Background

- The maintenance and management of facilities has a great impact on the lifespan of a building.
- The art of maintenance is repair, replacement and changing the tools used in construction.
- The construction project of a building has four stages namely: design, construction, operation and maintenance.



# Literature

- Problems arising from lack of building maintenance (Elvitigalage, 2008).
- Oseghale( 2015), there has been a shortage of professional service providers.
- National Construction Authority states that constructors should be accredited before engaging in any construction activities. It is a website [www.nca.go.ke](http://www.nca.go.ke) where one can get more information.



# Research problem

- There has been a shortage of professional service providers which is as a result of various factors including poor image of the industry, the youth prefer white collar jobs etc.
- Problems arising from lack of proper building maintenance include: wastage of energy, water contamination, reduced lifespan of a building etc.



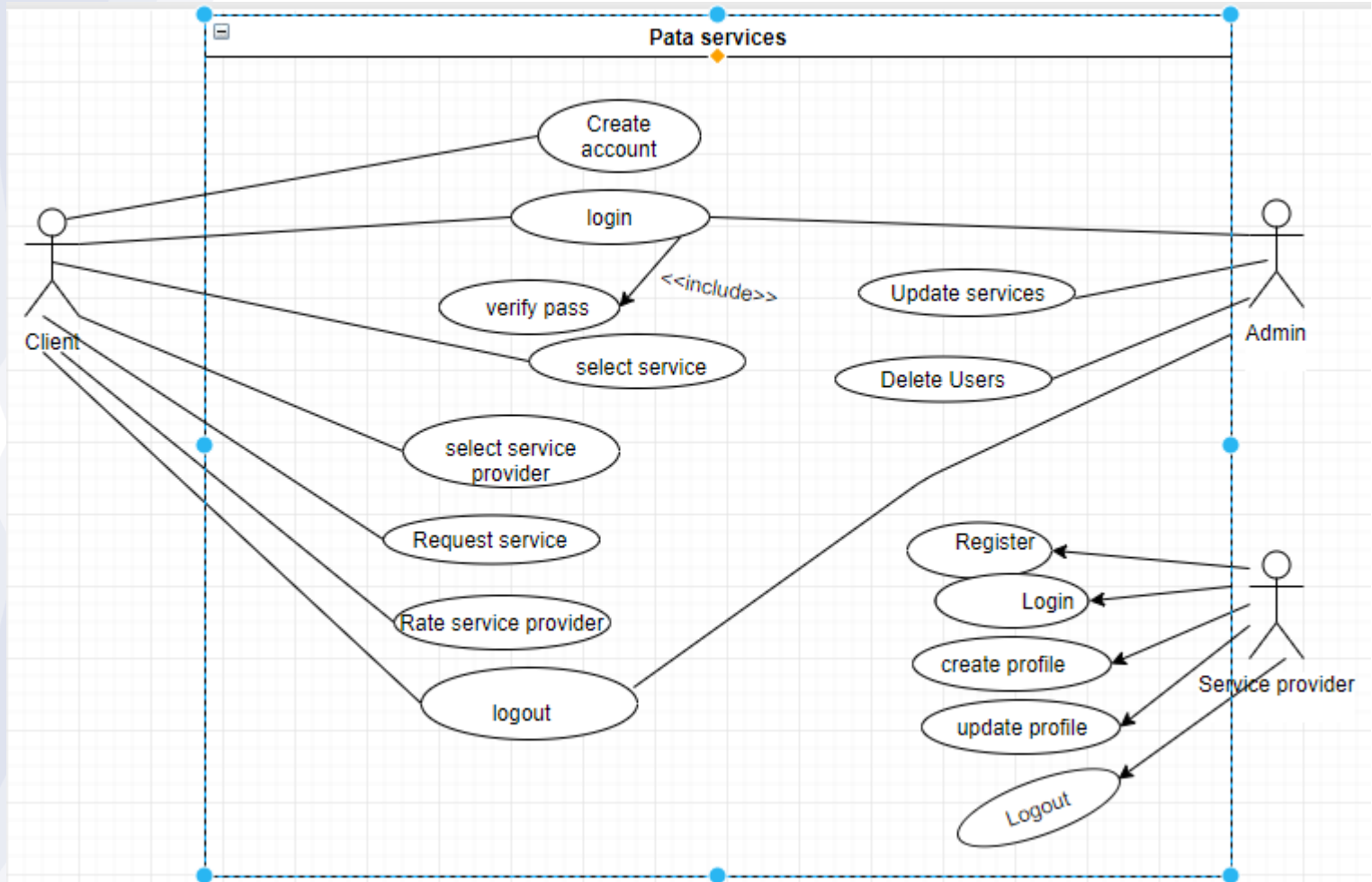
# Aim

To ensure provision of professional and quality home services maintenance through rating and ranking service providers.

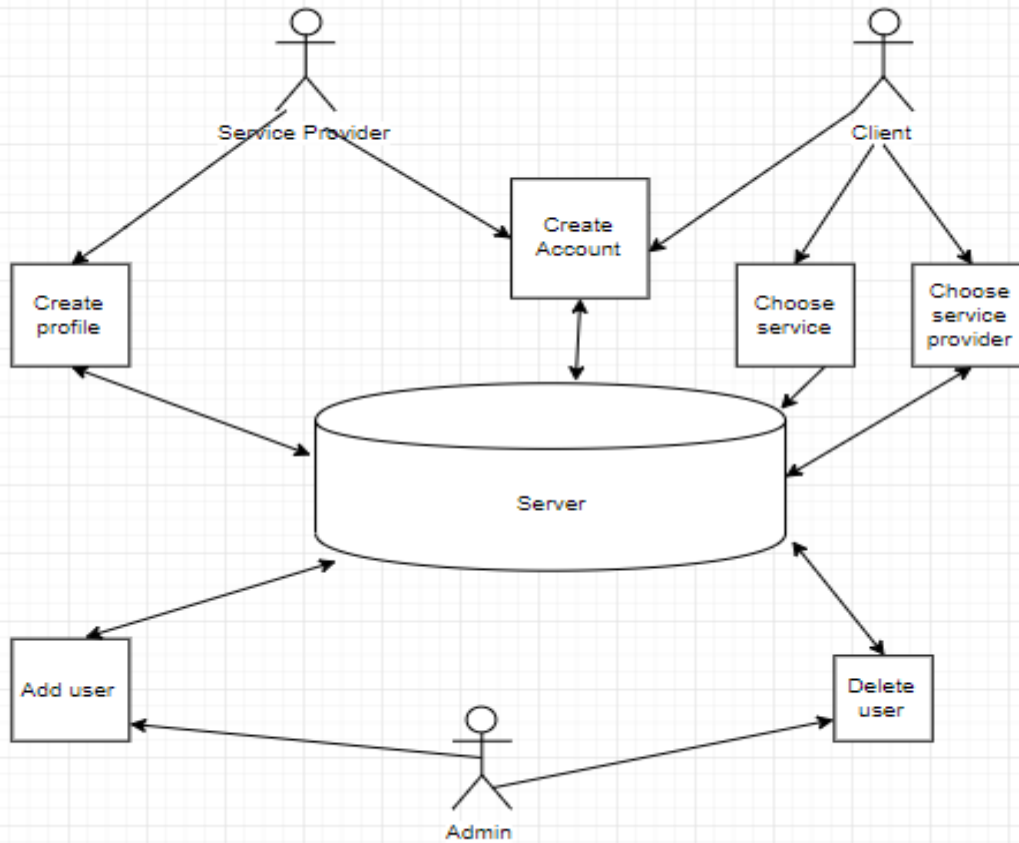
# Methodology

- Extreme programming under Agile methodology was used. This methodology helps with dealing with shortcomings as it is involved in creativity, learn and advance through trials and errors etc.
- XP is mostly based on values such as simplicity and courage while it is very efficient, flexible and is also foreseeable.
- Android Studio is the platform used in the development while Java is the programming language. Firebase database will be used to store data.

# System Design



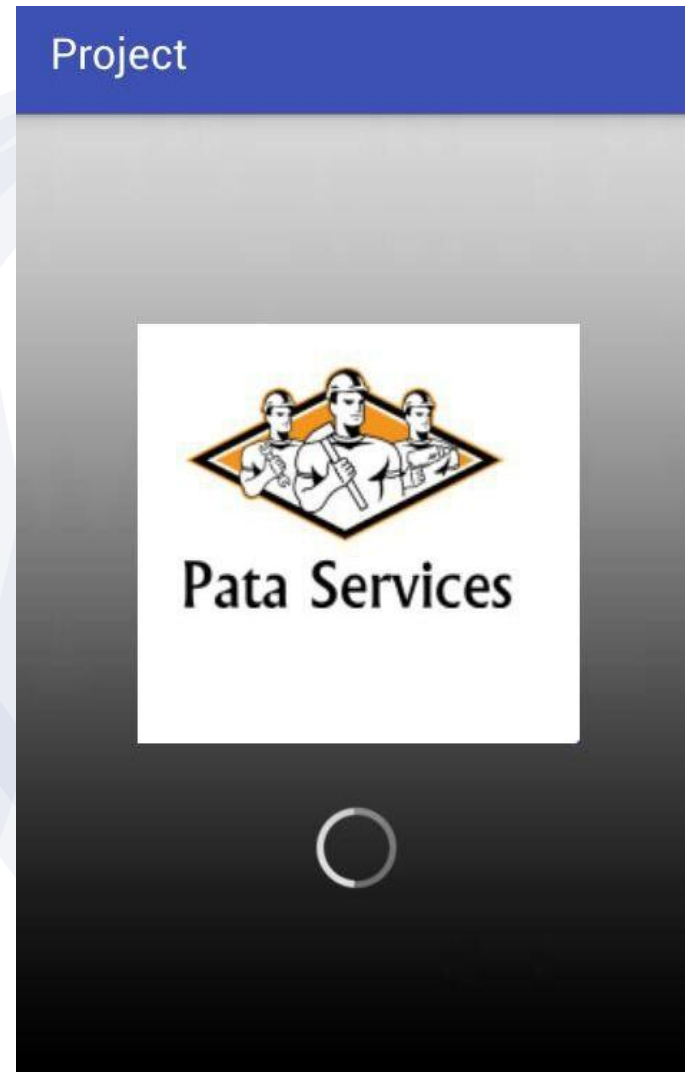
# System Architecture



# Welcome home screen



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# Login




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.Login



 Email

 Password

Login

Create Account

# Register



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Create Account

Register Here

Email

Password

SUBMIT

map



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# Rate



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Project

*we hope you enjoyed our services*

★★★★★

**Excellent**

How was the service?

SEND FEEDBACK

NEXT

# Rank



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## Project

### Service Provider Ranking

Gift plumber ★★★★★

Emmanuel ★★☆☆☆

Brandon ★★☆☆☆

NEXT



# Conclusion

- The project aimed at providing professional home maintenance services by ranking of service providers. It will help save time and easily acquire maintenance services.



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**Thank you**