Introduction

- Sayogi is an innovative web-based and mobile application that provides a user-friendly platform for both service seekers and service providers. It enables service seekers to create detailed profiles that highlight their skills, experience, and expertise. Simultaneously, service providers can create service requests specifying their specific requirements.

Problem statement

- Difficulty in finding and Attracting Service Seekers.
- Inefficient Communication Channels.

Objectives

- To create a user-friendly platform that simplifies service discovery, builds trust, and streamlines service request management for a seamless experience between service seekers and providers.

Development Methodology

- My proposed project will follow the Waterfall Model as its methodology for software development. This model presents a linear sequence of development phases, each dependent on the completion of the previous phase. Since I have a well-defined vision for the project, the Waterfall Model aligns with my goals and is the appropriate approach for its development

Development Methodology

Tools and Techniques

- **Presentation layer:** React JS , tailwind CSS
- **Business logic layer:** Node JS, Express JS
- **Database layer:** MongoDB
- **Server:** Node JS Server
- **Mobile application:** React Native
- **Code Editor:** visual studio code

Feasibility Study

- **Technical Feasibility:**

The Technical Feasibility of the sayogi Nepal system has been evaluated, taking into account the necessary resources such as hardware, software, and human resources. It has been determined that all required resources are already available

- **Economic Feasibility**

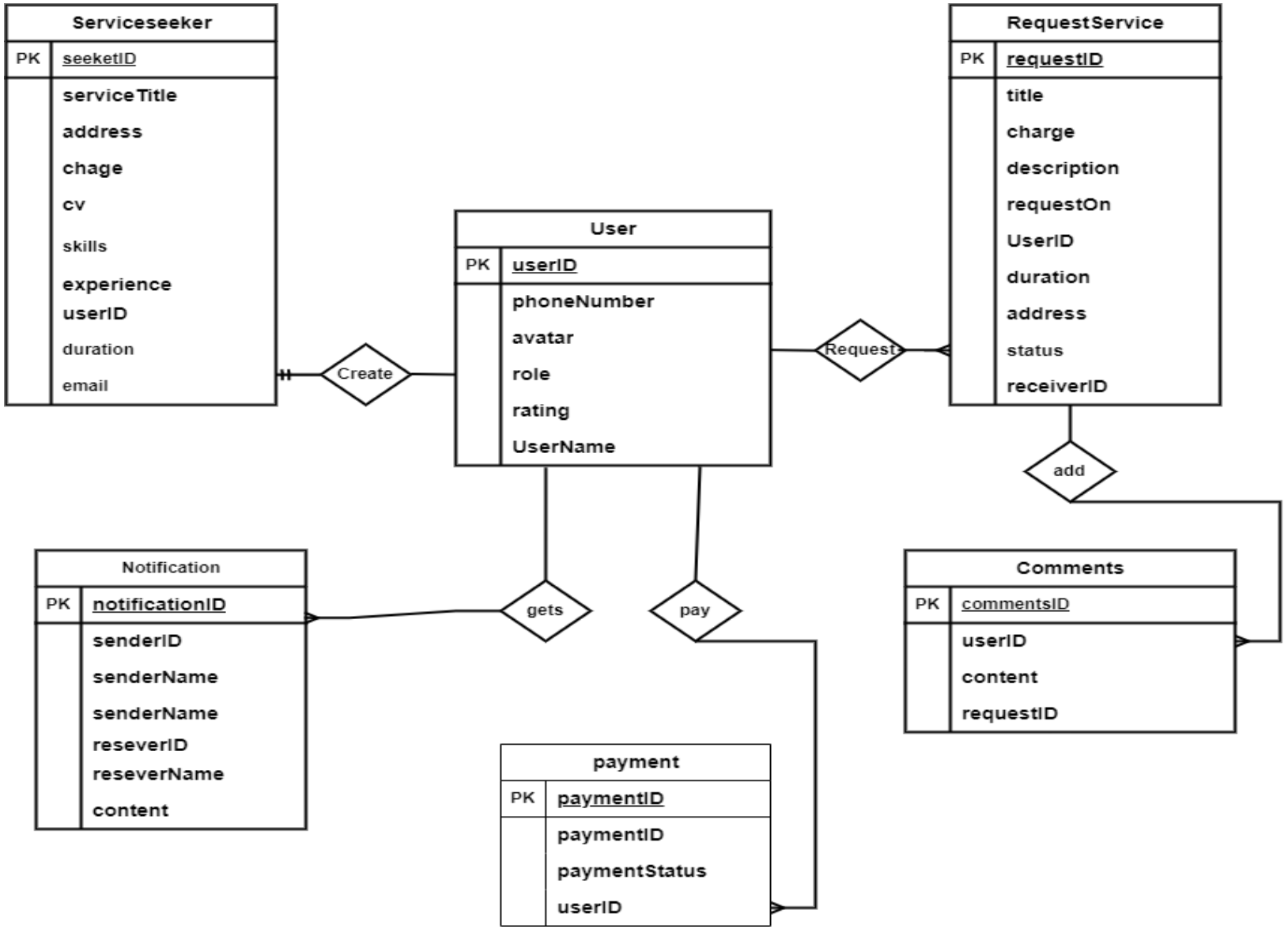
The sayogi Nepal System utilizes open-source technologies, meaning there is no need for additional software or hardware. As a result, the only recurring cost associated with the system is the internet connection

Feasibility Study

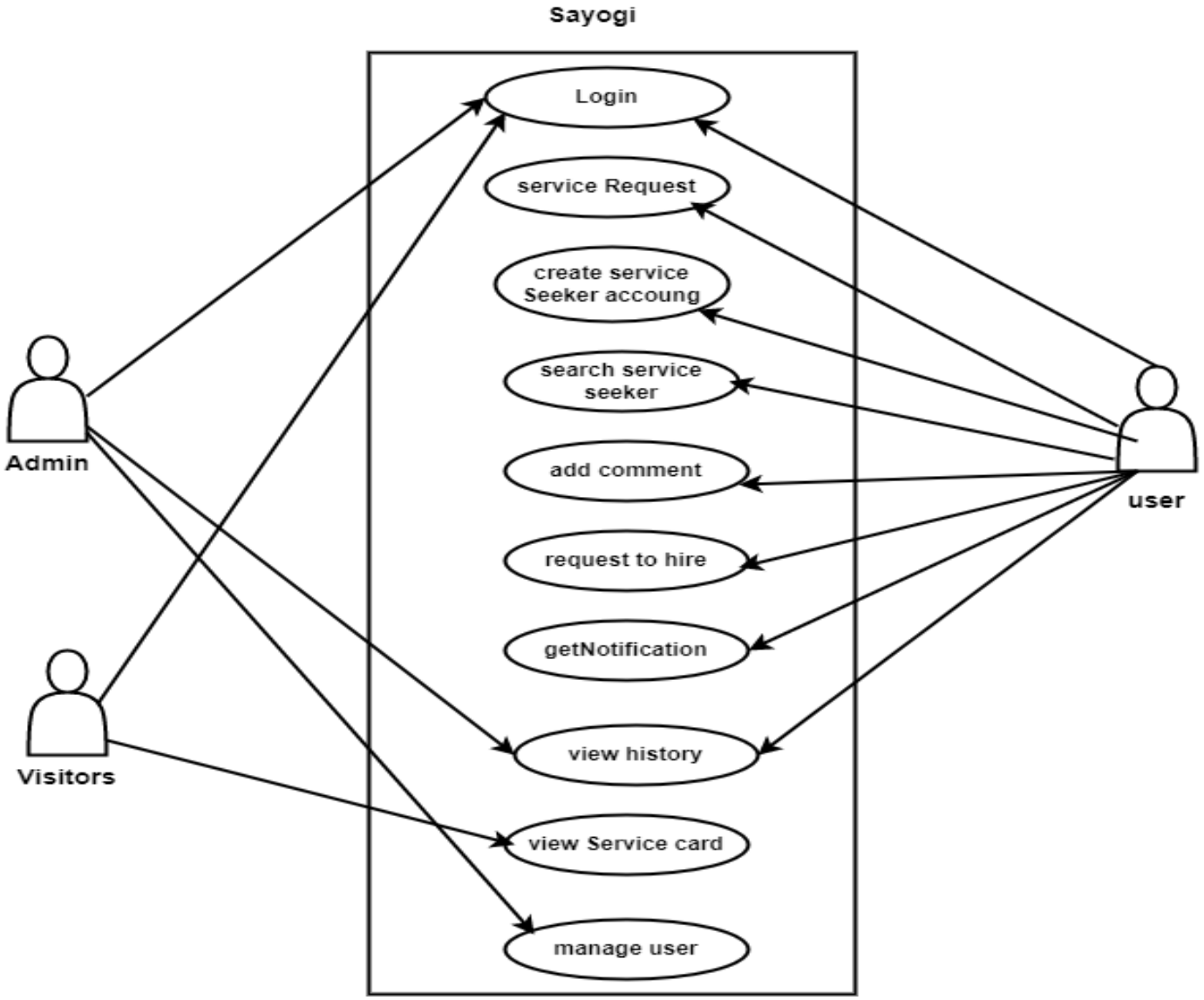
- **Operational Feasibility**

The operational feasibility of the sayogi Nepal System was assessed, and we identified several challenges and vulnerabilities in the existing system. These issues were addressed during the development of the new system, resulting in a more robust and manageable platform for users. Detailed analysis and planning were conducted to ensure that the sayogi Nepal System is operationally feasible and meets the needs and expectations of its users.

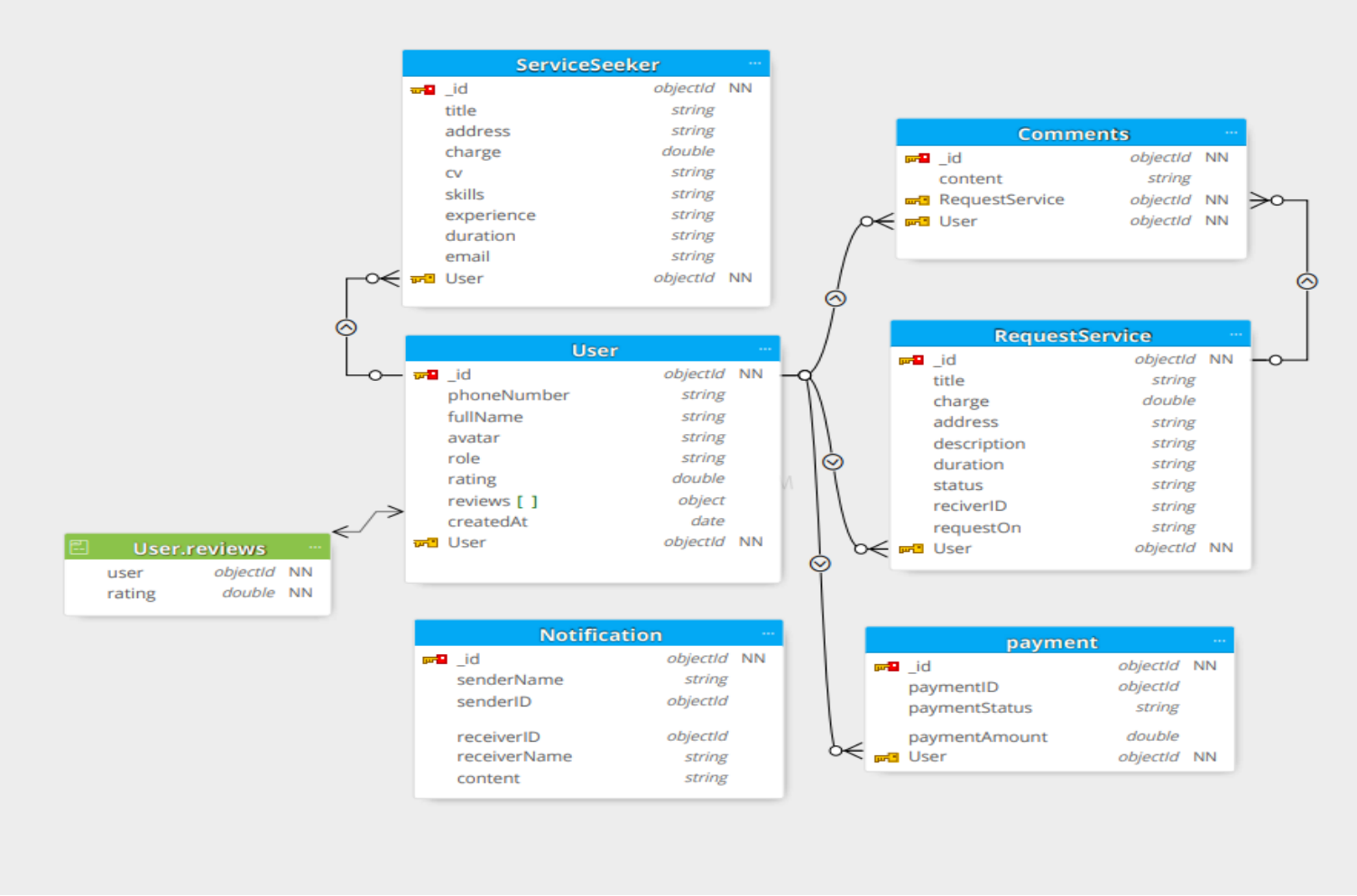
Data Modeling (ER-Diagram)



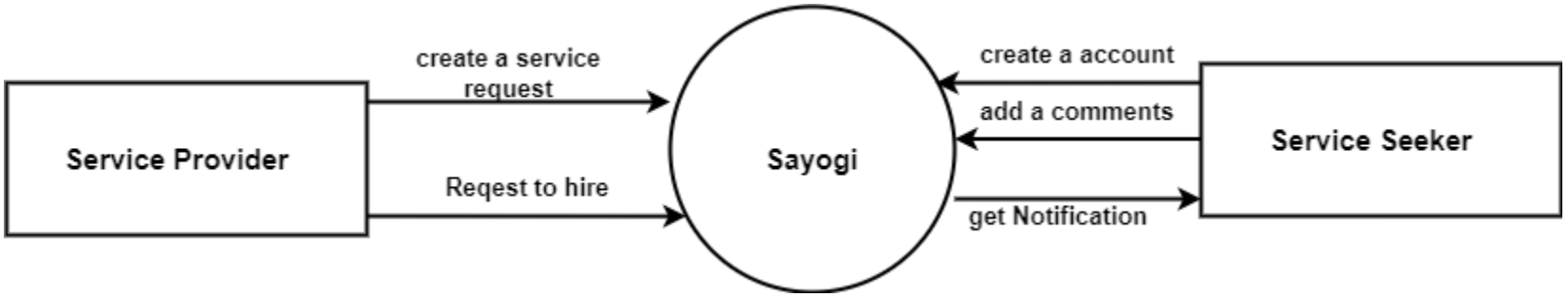
Use-Case diagram



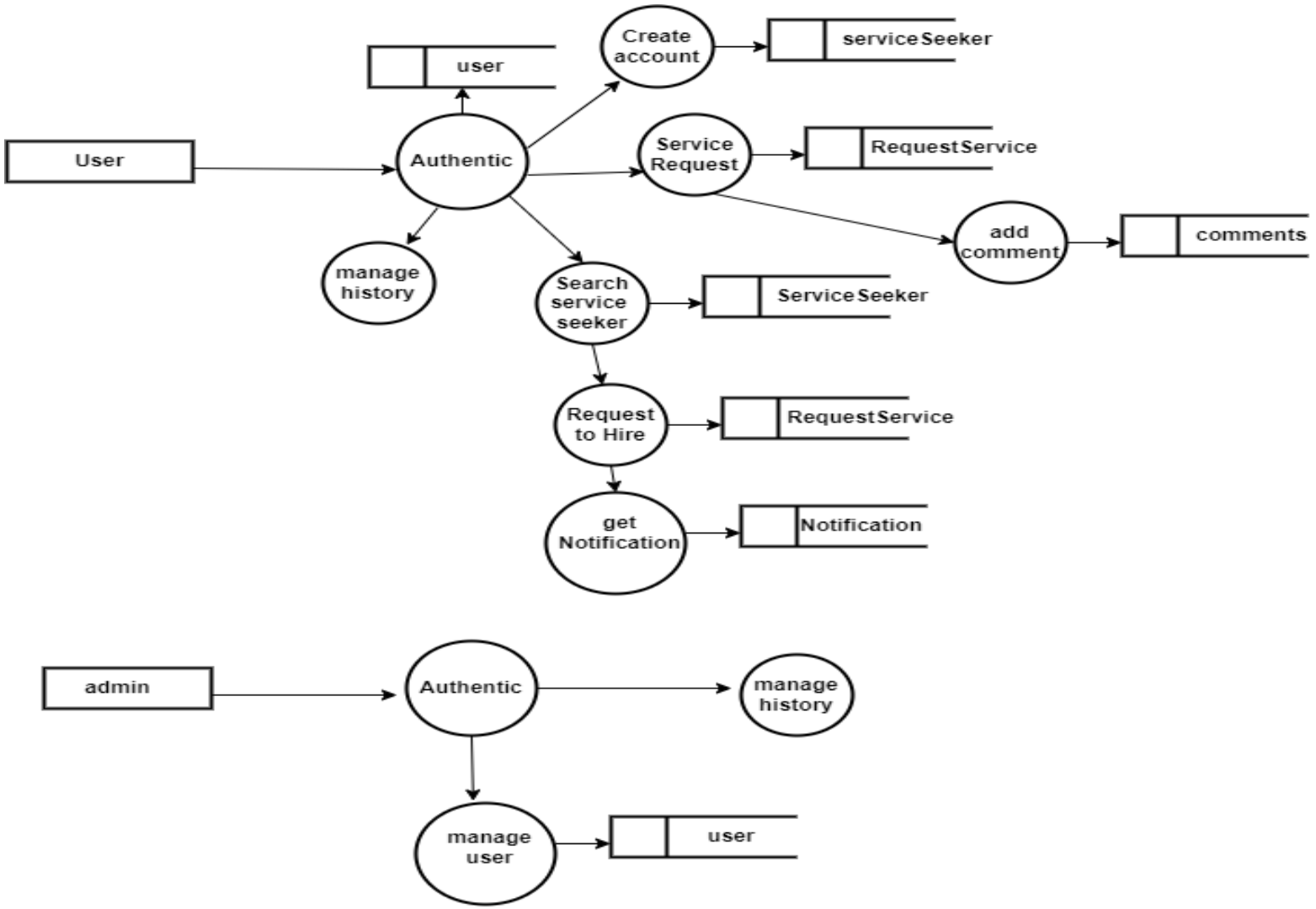
Database Schema



Context diagram



1-level DFD


user
Create account
serviceSeeker
User
Authentic
Service Request
RequestService
add comment
comments
manage history
Search service seeker
ServiceSeeker
Request to Hire
RequestService
get Notification
Notification
admin
Authentic
manage history
manage user
user