Pension Management System

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Project Requirements :

- Admin can create a applicant
- Admin can edit a applicant's details
- Admin can issue pension to applicants
- Admin can load balance to employees
- Applicant can check pension status
- Applicant can check balance amount
- Applicant can check details.

Microservices :

- "The microservice architectural style is an approach to develop single application as a suit of small services, each running in its own process & communication with light weight mechanims"
- "Microservices are SMALL & AUTONOMUS services that work together."
- There is no specific technology used to build MS.
- Benefits :
  - Easy deployment
  - Simple scalability
  - Easy Development
  - Compatible with continers
  - Reusable Code
  - Less production time

Spring Boot :

- "Spring Boot provides a good platform for Java developers to develop a stand-alone and production grade application that you can just run."
- It provides a flexible way configure Java Beans, XML configurations and Database transactions.
- It offers annotation-based spring application.
- Benefits :
    1. Easy to understand
    2. Increase productivity
    3. Reduces development time

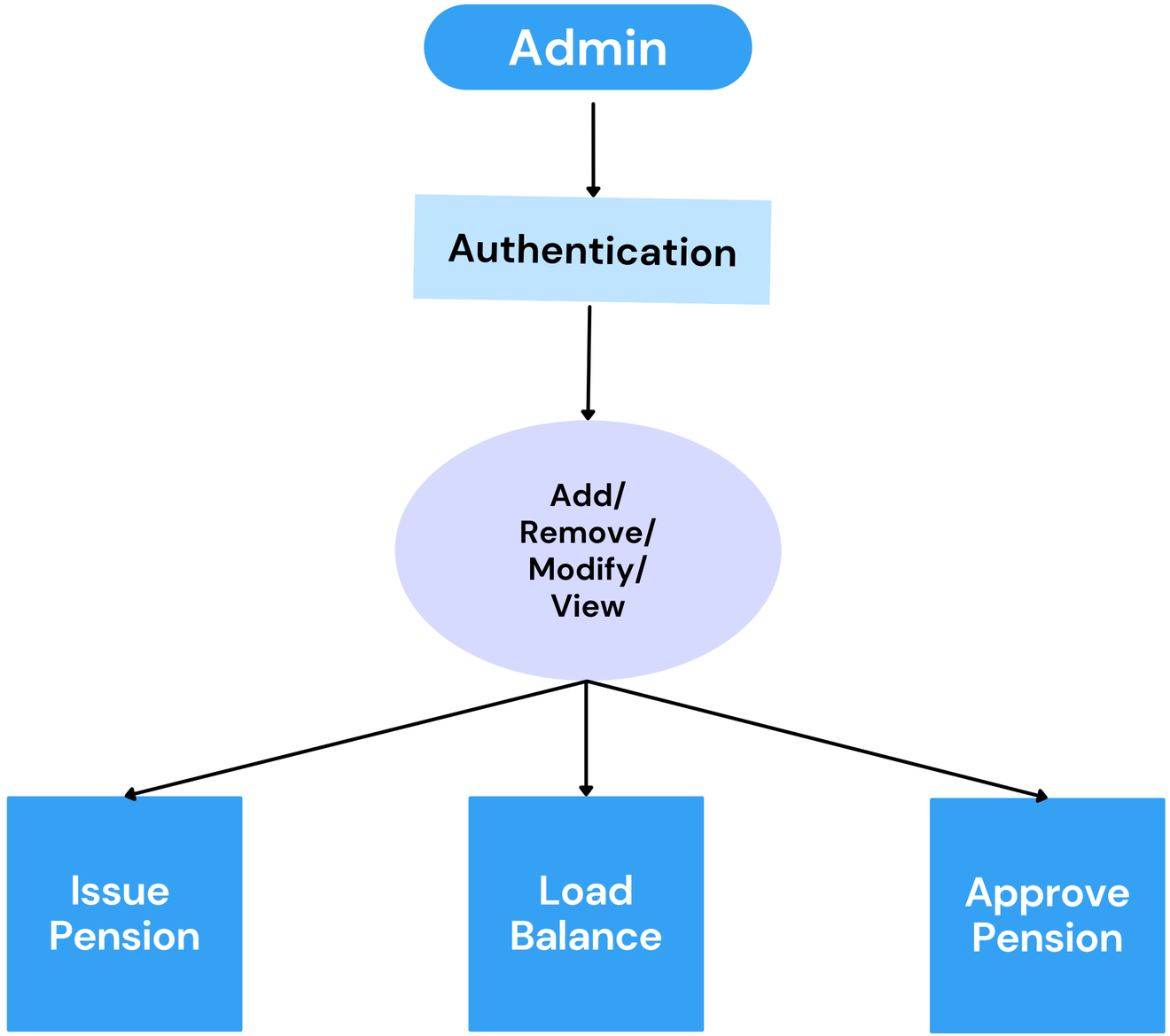
Docker :

- It simplifies collaboration by allowing anyone to work on the same project.
- Multiple Development environments can be run from the same host.
- Projects can be tested on different servers.
- It gives us instant application portability.

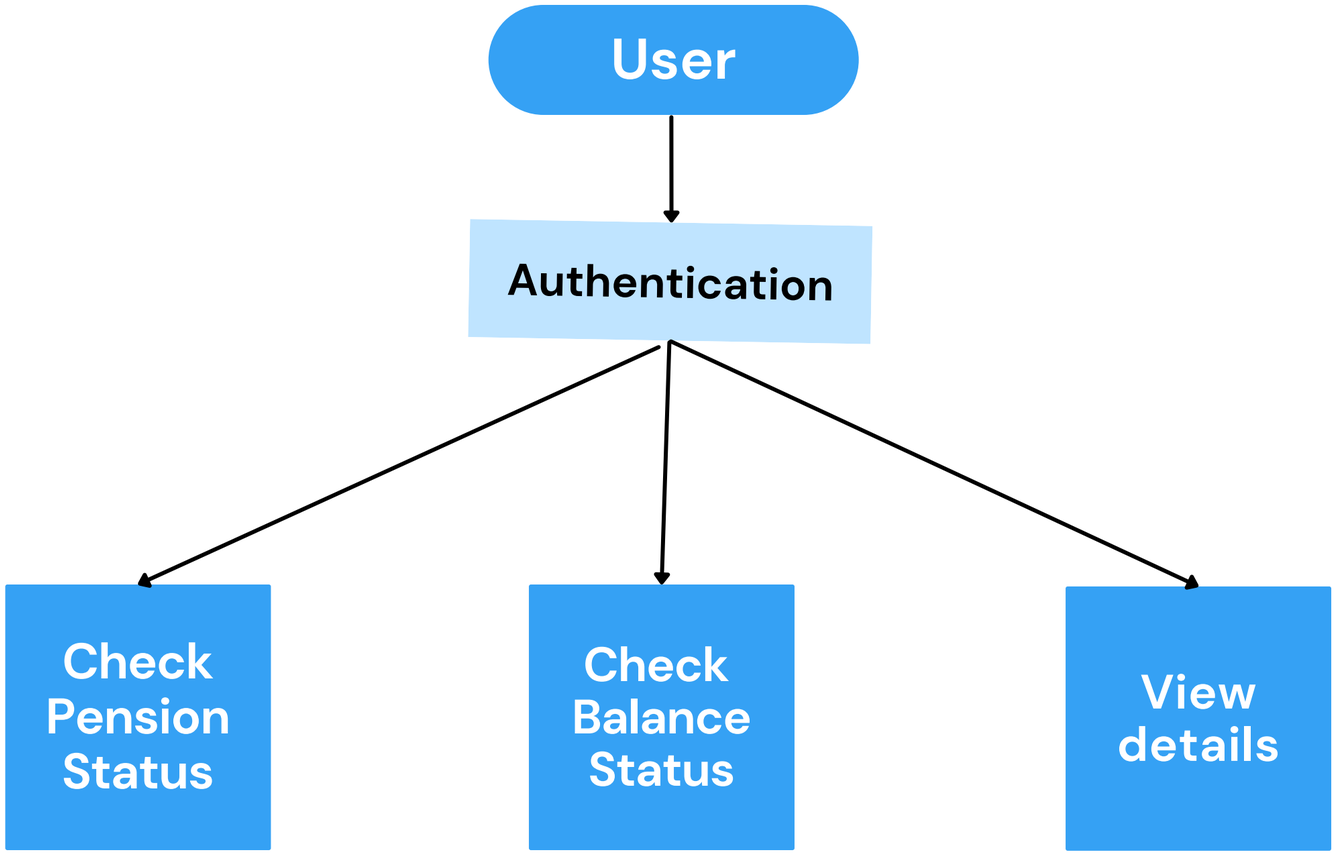
Features :

- Employees can easily apply for pension.
- Fast pension approval system.
- .Pension can be easily issued to applicants.
- Easily transfer monthly balance amount to working employees.
- Authentication based system.

Admin DFD


Admin
Authentication
Add/
Remove/
Modify/
View
Issue
Pension
Load
Balance
Approve
Pension

User DFD


User
Authentication
Check Pension Status
Check Balance Status
View details

THANK YOU