MTD BANK APPLICATION DEVELOPMENT

About Myself

I am Mohammed Riyaz from India currently living in Dubai

Full Stack Developer with 14 years of experience in Java , Spring Boot , Spring

Framwework , React , Angular , VueJS

Worked on

DELL , Boston , MA - US

Emirates Airlines , Dubai , UAE

EMC Bangalore , India

What you can learn from here ?

1 **Spring Boot**

- How to create an API through Rest API
- Implementing the Spring security

2 **React**

Create Reusable
Components
Contect API
Formik & Yup

3 **Rest API**

Call API through GET , POST , PUT & DELETE methods

4 **Microservices**

What is Microservices ?
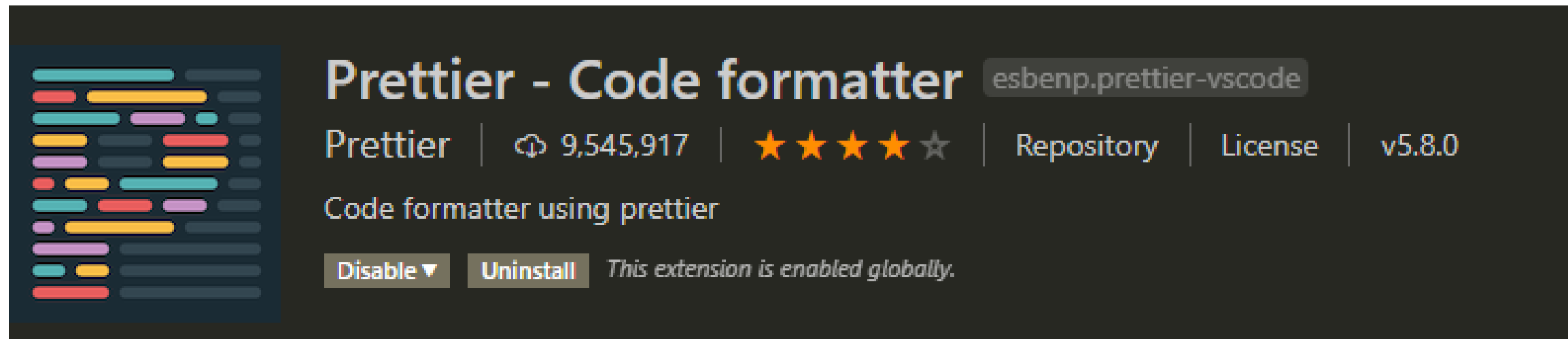Microservices based Architecture ?
Advantages & DisAdvantages?

REQUIRED SOFTWARE

- JAVA 11
- NODE (Latest LTS version)
- NPM
- MySQL

REQUIRED TOOLS

- Spring Tool Suite
- VS Code
- Maven
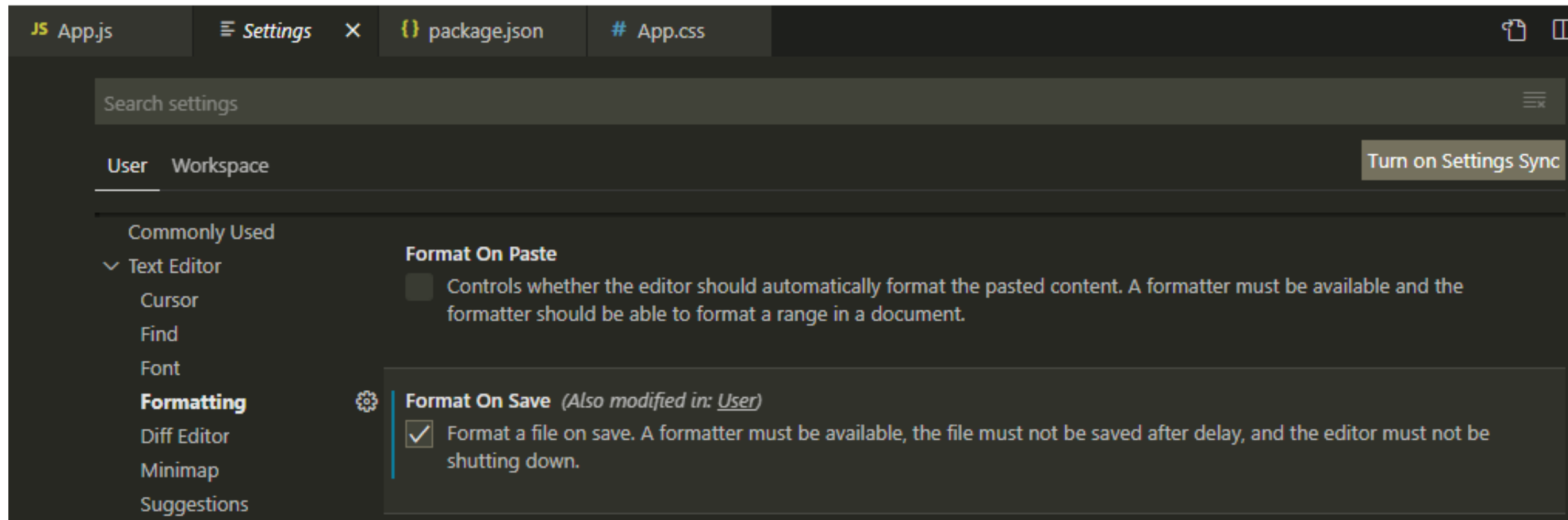- GIT
- Postman

VSCODE EXTENSION - PRETTIER

VSCODE EXTENSION - EMMET

Introduction to

JAVASCRIPT FRAME WORK
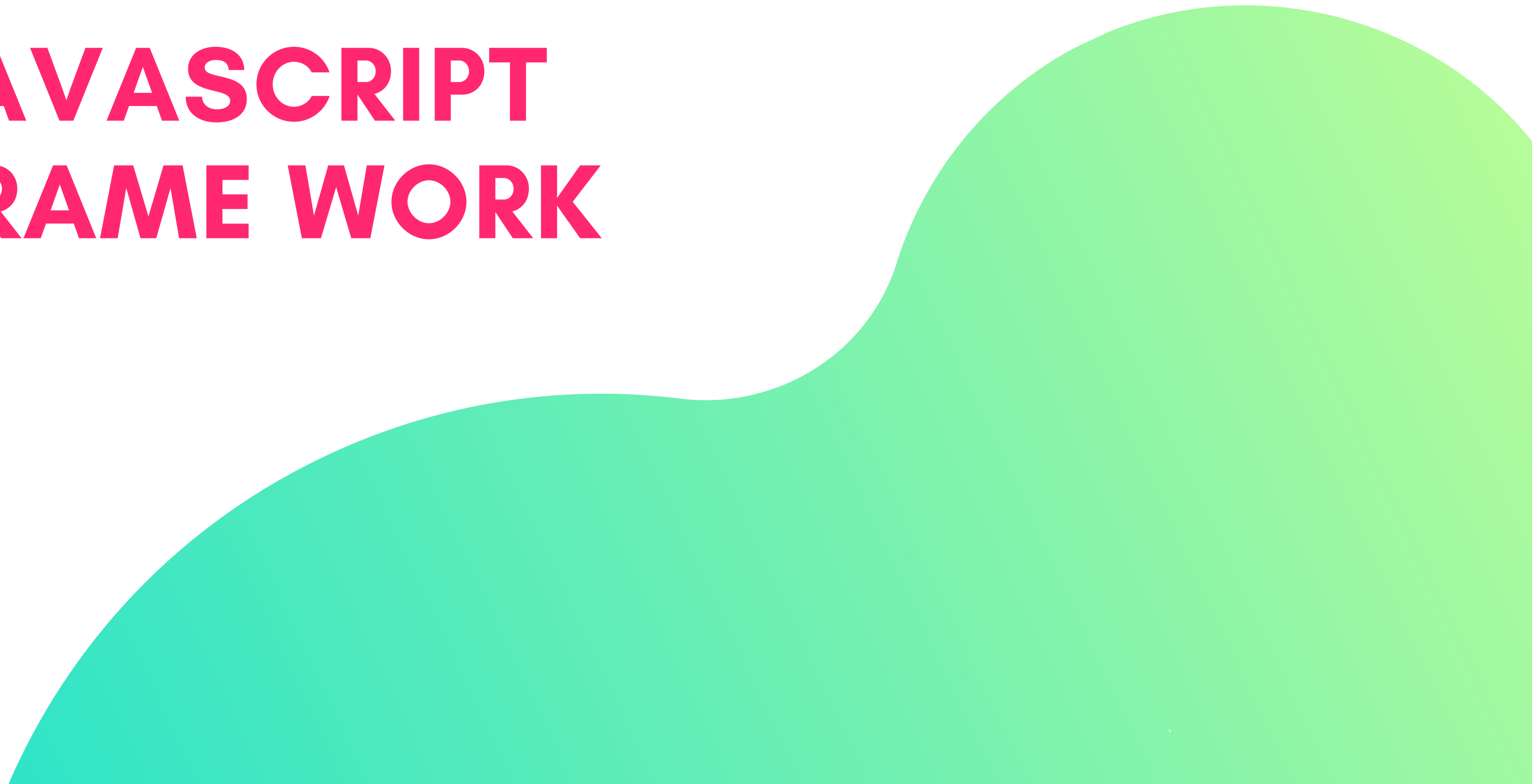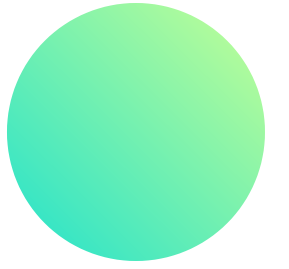
EVOLUTION OF JAVASCRIPT

FRONTEND FRAMEWORKS

HOW WEB BROWSER WORKS?

Data Persistence

User Interface

Browser Engine

Rendering Engine

Networking

JavaScript Interpreter

UI Backend
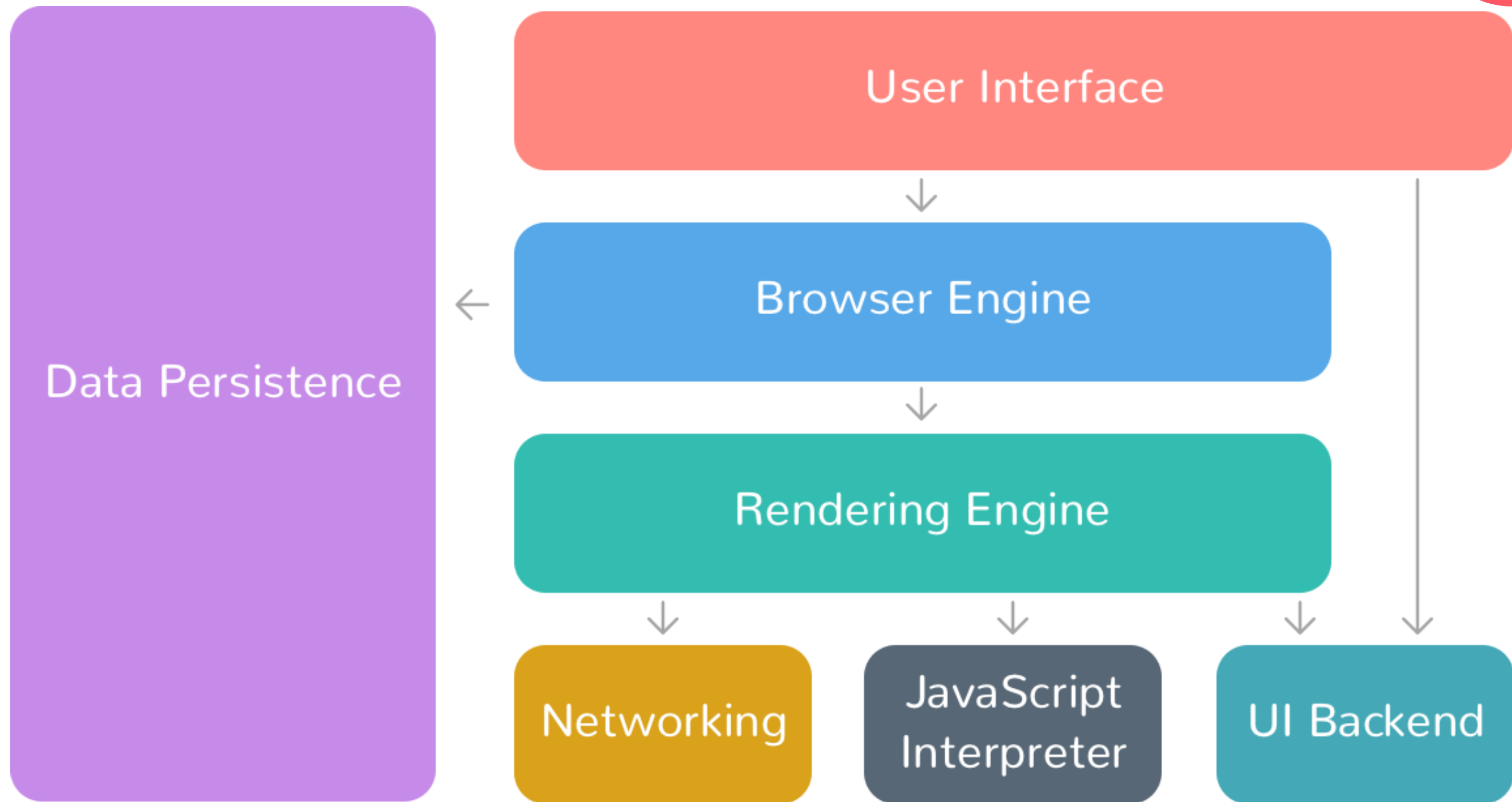
WHAT IS DOM ?
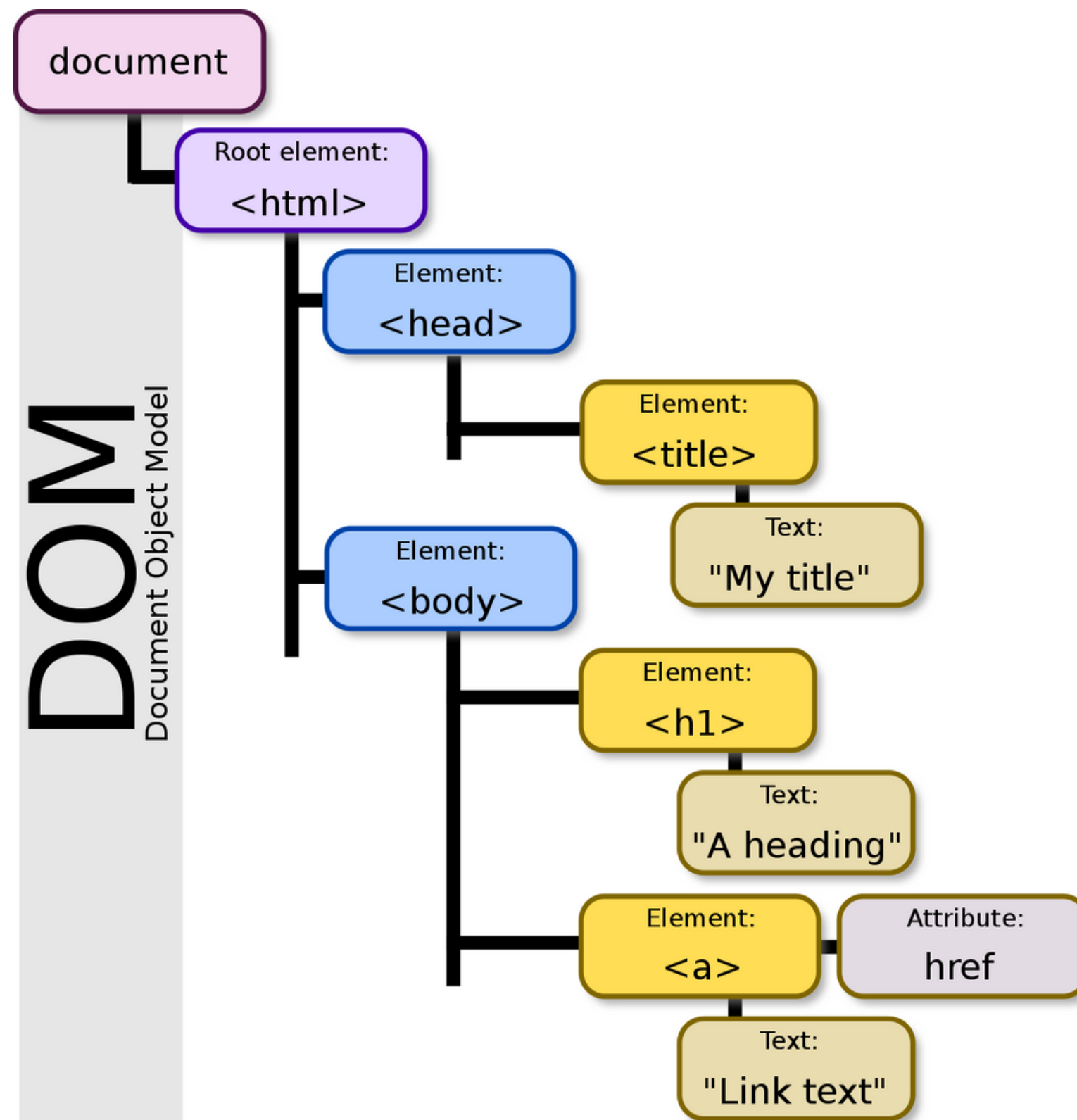
WHAT IS VIRTUAL DOM ?

React
and the
Virtual DOM

RE-RENDERING THROUGH VDOM

PROJECT ARCHITECTURE

Frontend (React) – Nginx Server

- Registration
- Login
- Admin
  - User Details
- Client
  - Deposit
  - Withdraw
  - Add Recipient
  - Transfer

Backend (Spring Boot) – Tomcat Server
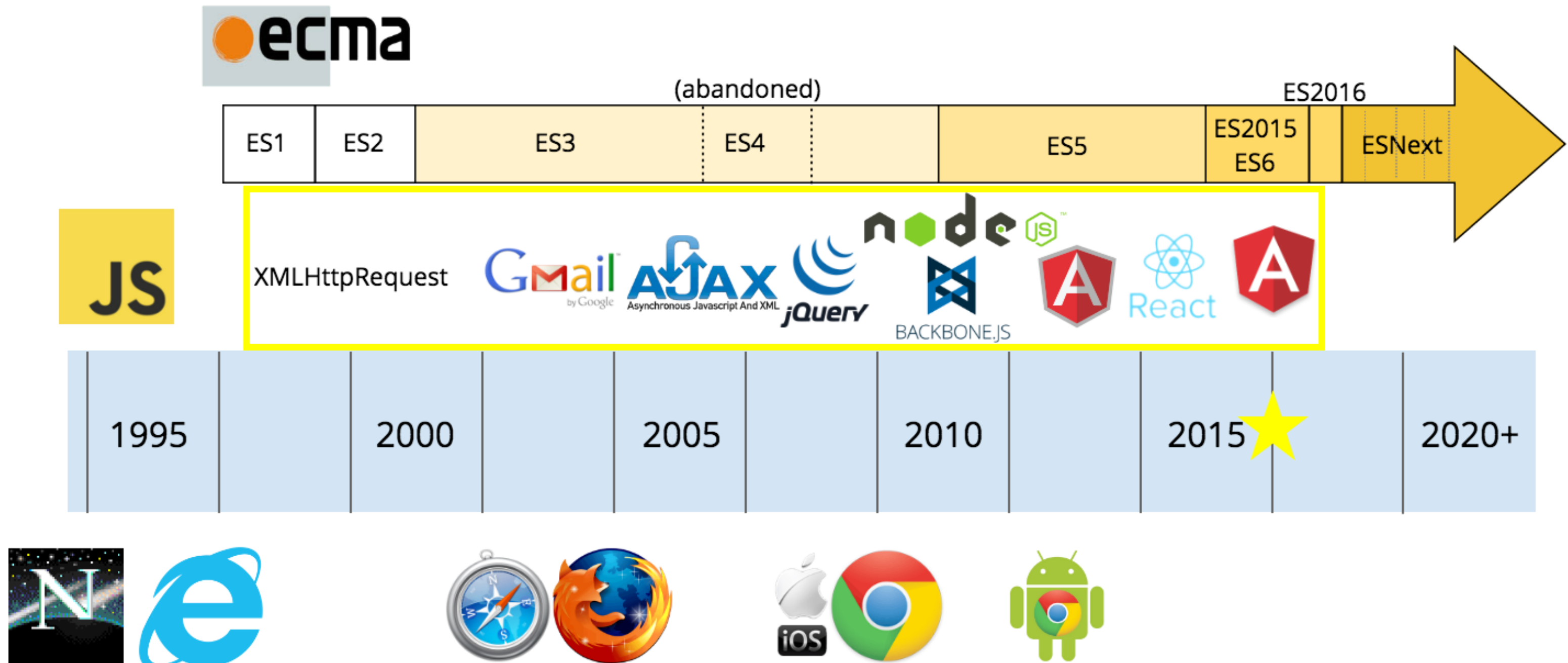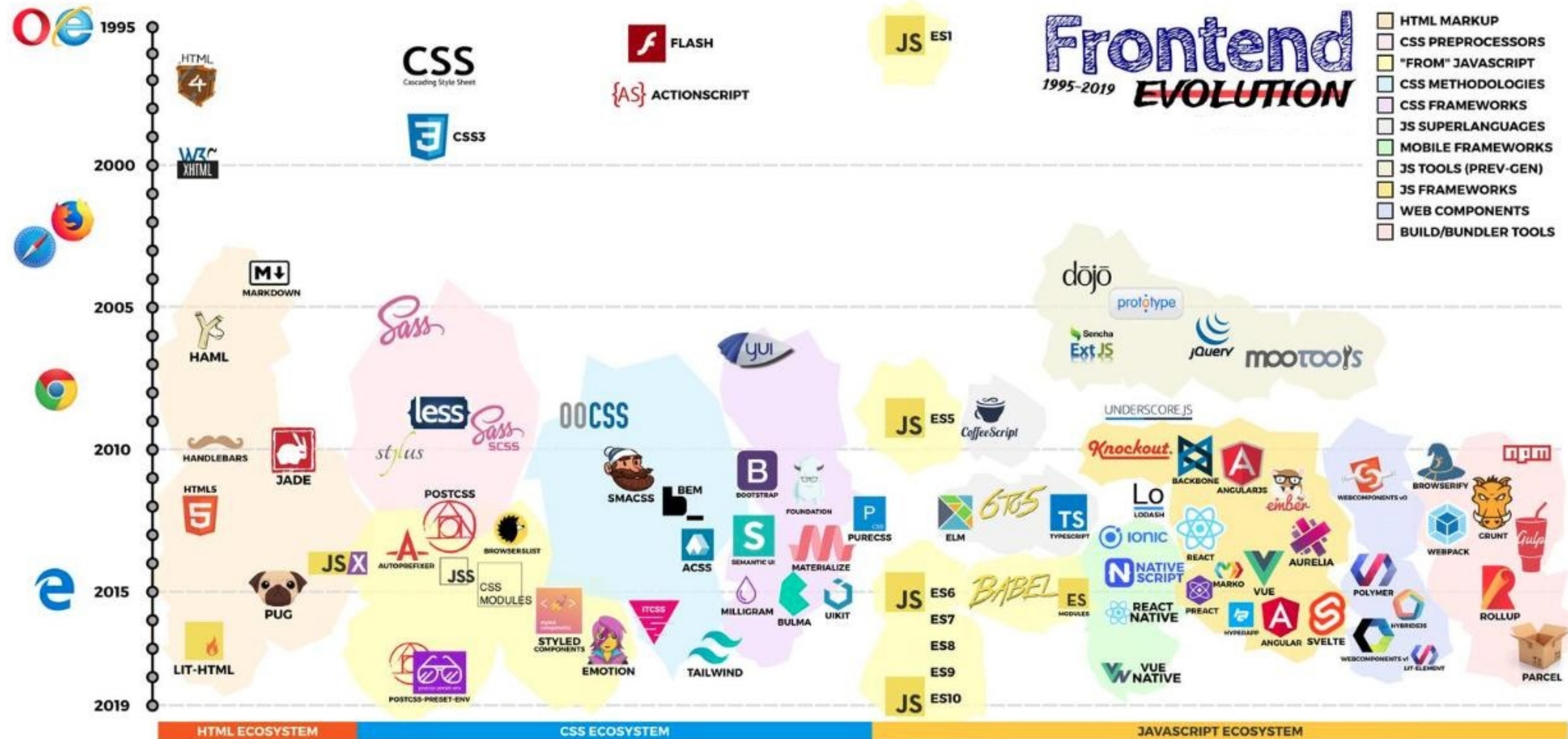
- LoginController
- UserController
- AccountController

MYSQL DATABASE

IOS Safari — HTTP
Android Chrome — HTTP
Microsoft Egde — HTTP

Rest API POST Method /register
Rest API POST Method /login
Rest API GET Method /user/all
Rest API DELETE Method /user/delete/{id}

/account/deposit
/account/withdraw
/account/addRecipient
/account/transfer

MTD BANK UI

HOME PAGE LAYOUT

Header
Banner
About

Product1	Product2	Product3

Price
Footer
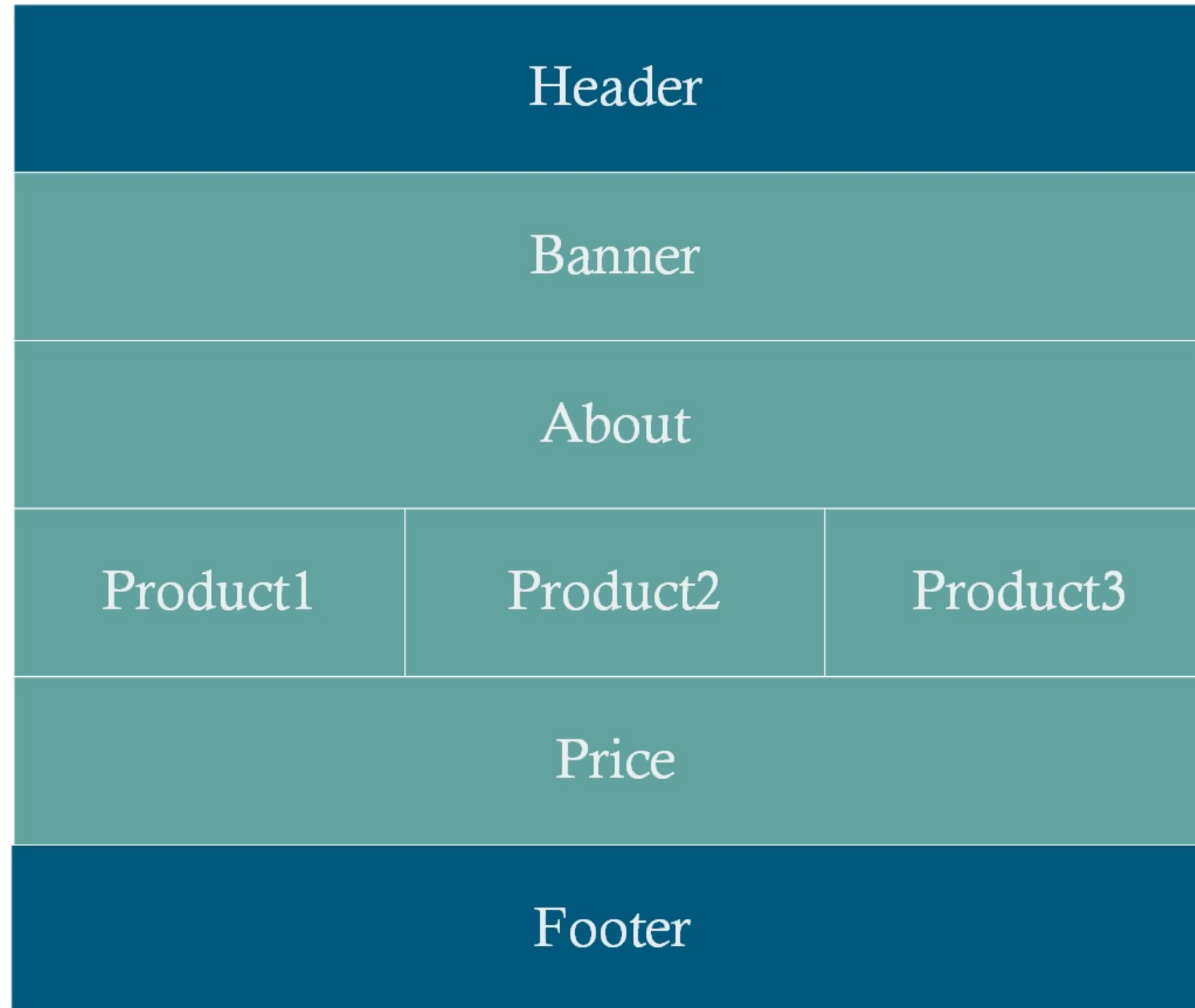
CREATE REACT APP

Command : **npm install -g create-react-app**
Description : Install the react package globally, Execute it, if React is not installed already)

Command : **npx create-react-app mtdbank**
Description: Create the React App named as MTD Bank

Command : **cd mtdbank**

npm start

CODE

FrontEnd Code :

https://github.com/techpro-education/mtd-frontend

Notes : https://tinyurl.com/react-java-app

REFERENCES

https://javascript.info

https://reactjs.org

https://material-ui.com

https://www.npmjs.com

CONTACT

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