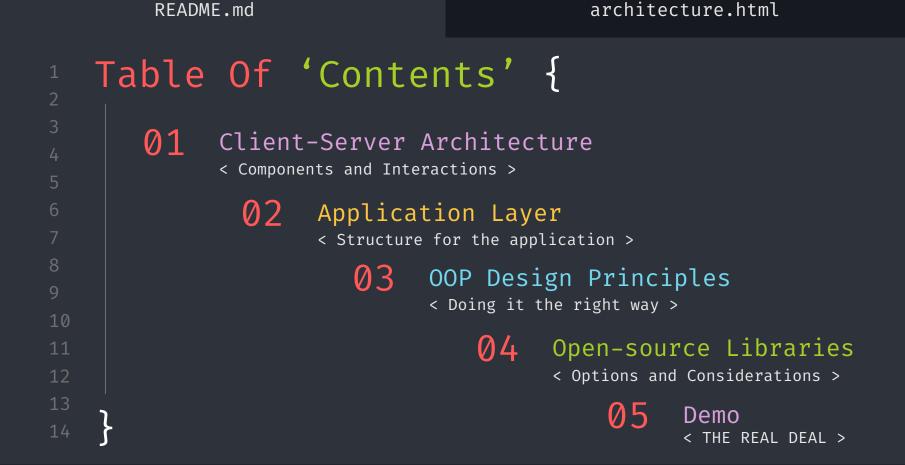
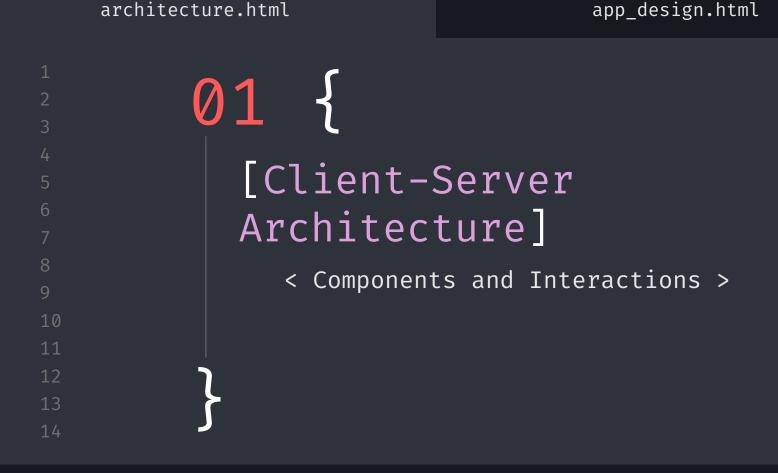
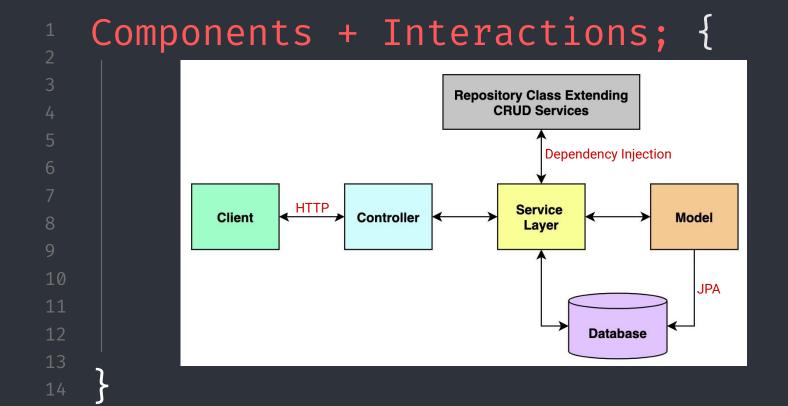


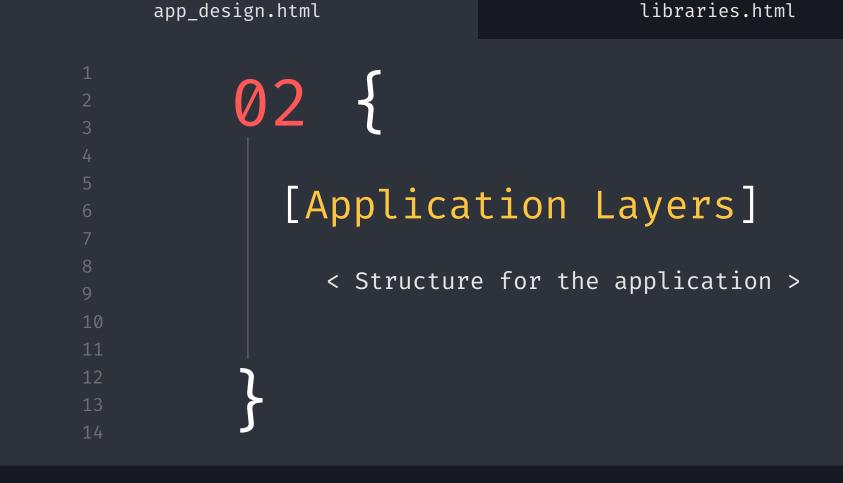
README.md

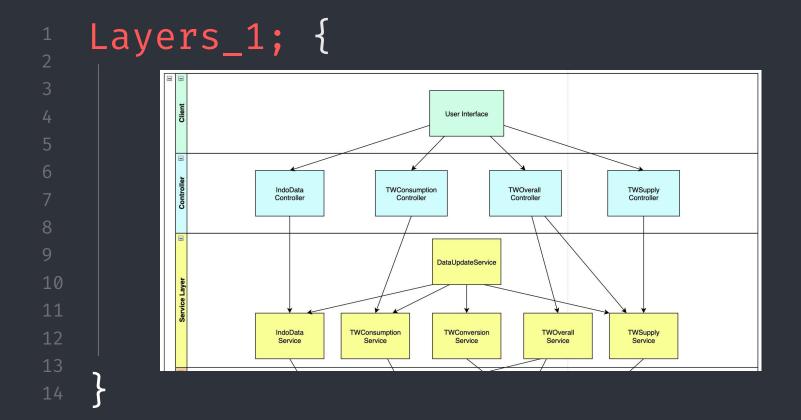
index.html





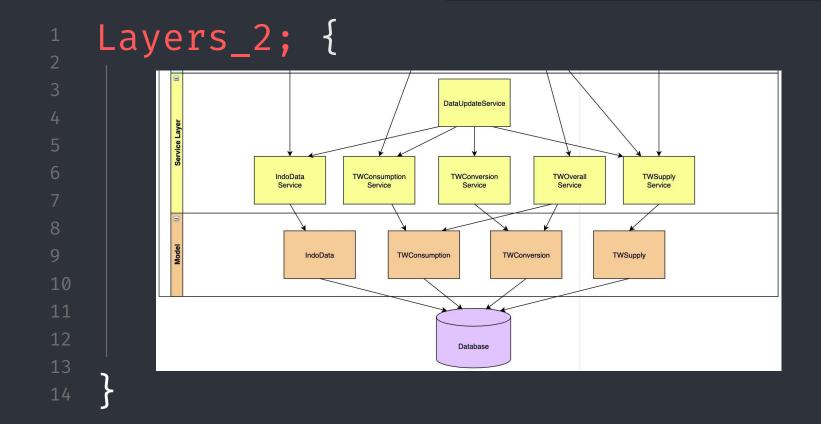






app_design.html

libraries.html





00P Project - Energy Trading Data Application

libraries.html app design.html 1 Principles 1; { Encapsulation <equation-block> < Appropriate states for class attributes and methods > Abstraction
< Each class only contains the relevant methods > 1 Inheritance

< Acquire attributes and methods of parent class >

```
libraries.html
     app design.html
1 Principles_2; {
               Single Responsibility Principle 💜
               < Each component only has one responsibility >
               Interface Segregation Principle 🗸
        ΔÍŠ
               < Each service class implements its own interface class >
```



demo.java

```
Front-end; {
            ApexCharts.js
     Apexcharts.Js
< New, Neat, Responsive, Interactive,
             BUT Laggy with larger datasets >
             D3.js
             < Capabilities beyond data visualisation,
             BUT Steep learning curve, Outdated documentation >
           Chart.js 
< Lightweight, Simple, Flexible, Responsive, Interactive >
```

tml Demo.java

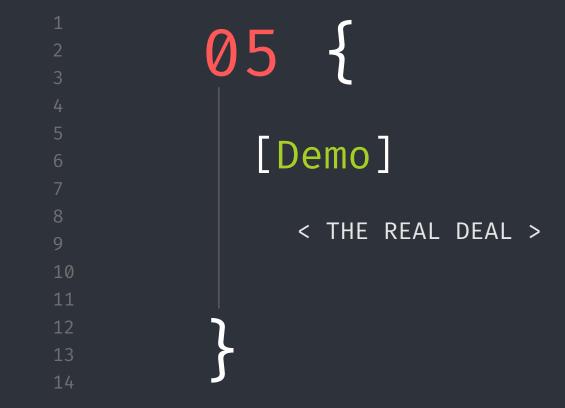
```
Front-end; {
  Iconify 🗸
        < Indonesia & Taiwan flag icons >
       Font Awesome  < Home icon >
```

```
Back-end; {
                Struts
                < Framework based on the MVC architecture
                BUT Heavyweight framework,
                Tightly coupled programming modules >
                Spring Boot 🗸
                < Extension of Spring framework to develop a
                Spring web application >
```

```
Back-end; {
               MongoDB
                < NoSQL Database
               BUT meant for semi/non-structured data >
               MySQL 🗸
    MySQL
               < Relational Database Management System >
```

```
Back-end; {
            JSoup
            < Extract data from websites, Simple to use,
            BUT Unable to perform web crawling >
            Selenium 🗸
            < Web crawling, Able to interact with websites >
```

```
Back-end; {
       Groupdocs.conversion < Convert files scraped to .xlsx >
       Lombok 🗸
  enhances readability of source code >
  files with java program >
```



OOP Project - Energy Trading Data Application

```
Thank_you; {
   System.out.println(
      "Do you have any questions?"
```

final.html