Project II

Bootstrap + Web Application

Semester 2/2561

Dr. Korawit Prutsachainimmit

College of Computing
PRINCE OF SONGKLA UNIVERSITY

Learning Outcomes

- Can apply bootstrap4 for building a Web application

Tasks (Individual)

- Create a responsive Front-End Web application with Bootstrap 4

- Focus on using Bootstrap's components
  - Navigation
  - Form
  - Grid system
  - And others

- Form validation
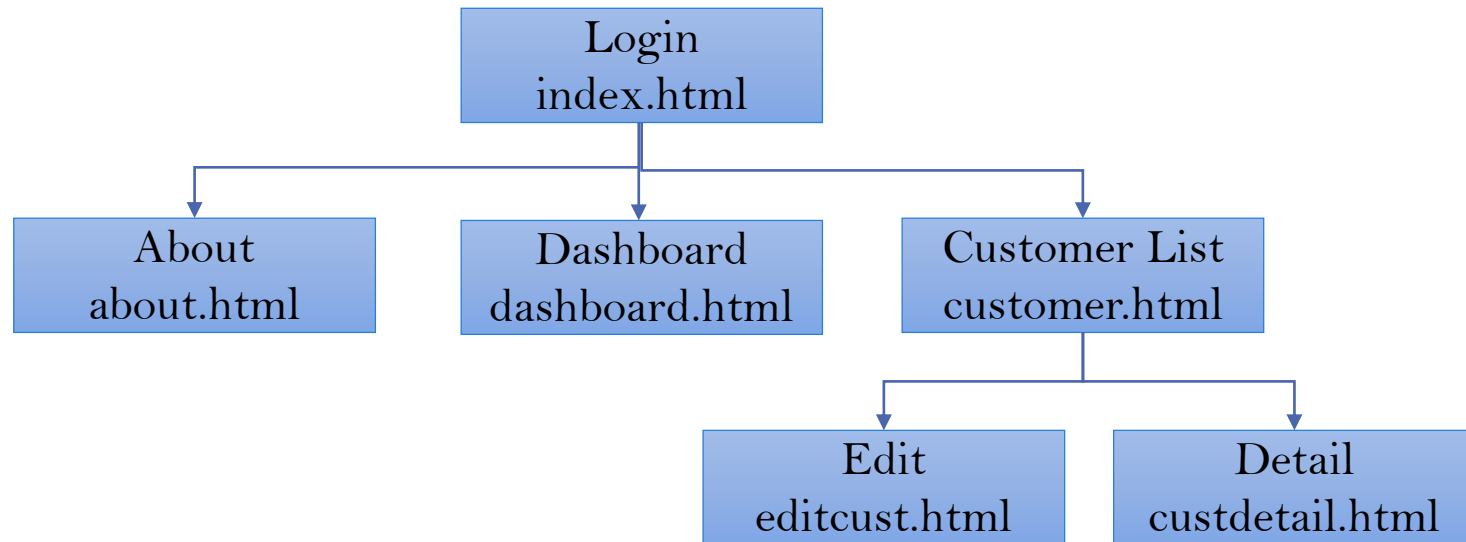
- Mock data with JSON files

Northwind Web Application

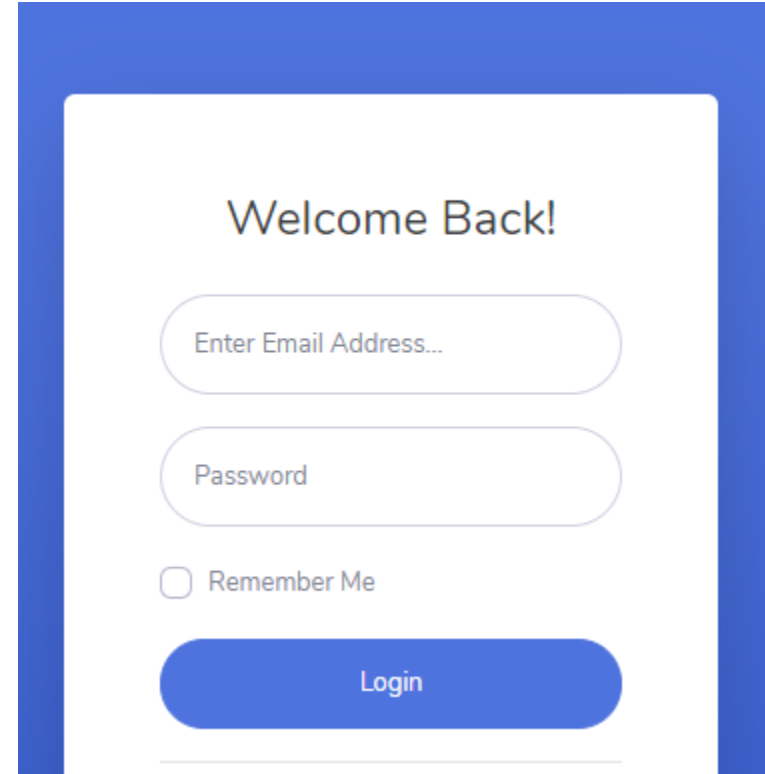Build a Web application for data management of Northwind Trader company

Only customer data

Northwind Site Structure

```
              ┌──────────────────┐
              │      Login       │
              │    index.html    │
              └──────────────────┘
      ┌────────────────┼────────────────┐
      ▼                ▼                ▼
┌───────────┐  ┌─────────────────┐  ┌──────────────────┐
│   About   │  │   Dashboard     │  │  Customer List   │
│ about.html│  │ dashboard.html  │  │  customer.html   │
└───────────┘  └─────────────────┘  └──────────────────┘
                              ┌────────────┴────────────┐
                              ▼                         ▼
                       ┌──────────────┐          ┌──────────────────┐
                       │     Edit     │          │     Detail       │
                       │ editcust.html│          │ custdetail.html  │
                       └──────────────┘          └──────────────────┘
```

Login

- File name : login.html
- Condition
  - Email: admin@nw.com
  - Password: 12345**

- Validation
  - Require both email and password
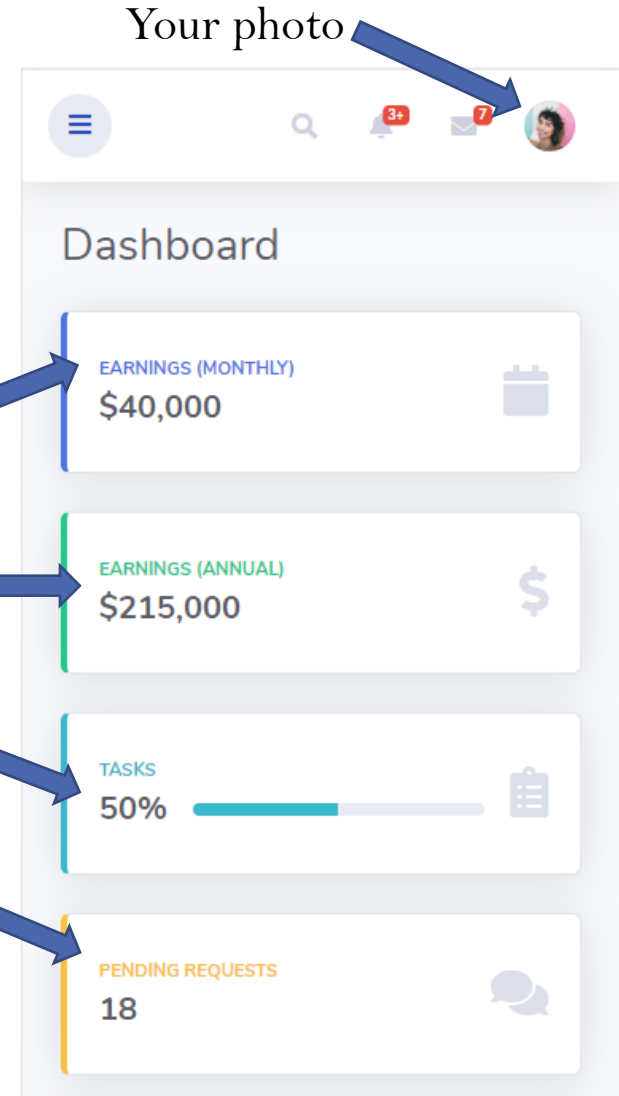
About

- File name : about.html

- Content
  - Your Student ID
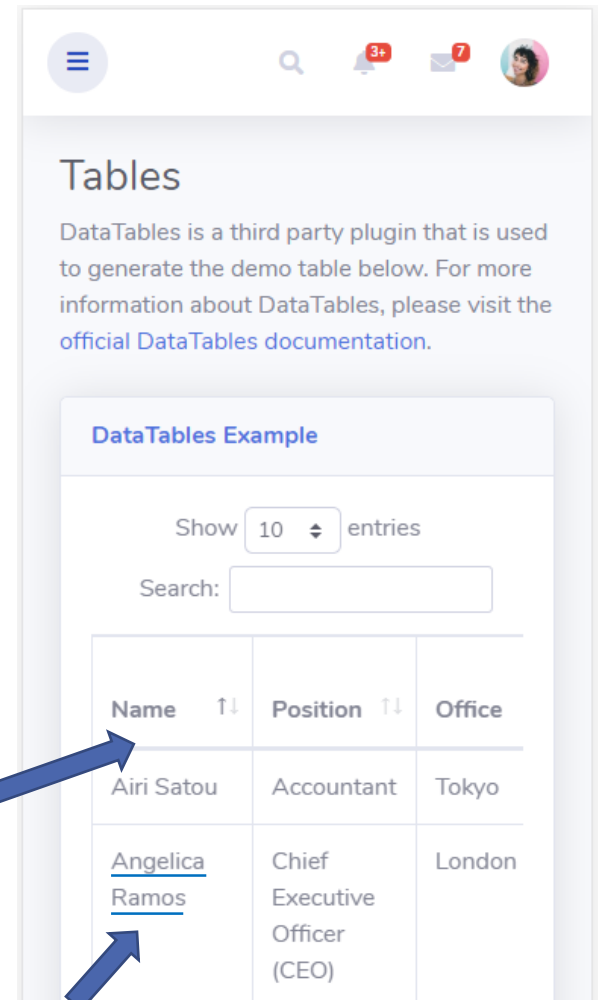 - Your Name
  - Your photo

Dashboard

Your photo

- File name : dashboard.html

- Content
  - Total No. of Products
  - Total No. of Customers
  - Total No. of Suppliers
  - Total No. of Orders

- Data
  - Count form
    - products.json, customers.json, suppliers.json, orders.json

Dashboard

EARNINGS (MONTHLY)
$40,000

EARNINGS (ANNUAL)
$215,000

TASKS
50%

PENDING REQUESTS
18

College of Computing
PRINCE OF SONGKLA UNIVERSITY

Customer List

- File name : customer.html

- Content
  - Display list of customer as a table with
    - ID, Name, Contact Name, Contact Title

- Data
  - customers.json

Link to Customer Detail

Customer Detail
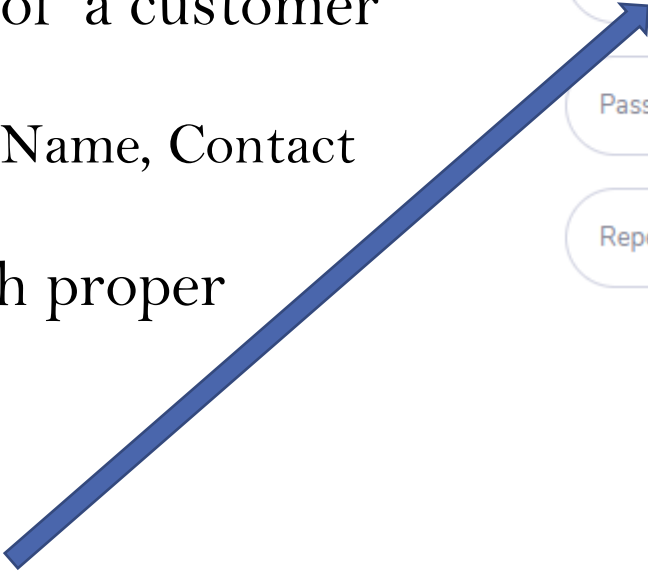
- File name : custdetail.html

- Content
  - Display full detail of a customer as a card
    - ID, Name, Contact Name, Contact Title, Address

- Data
  - customers.json
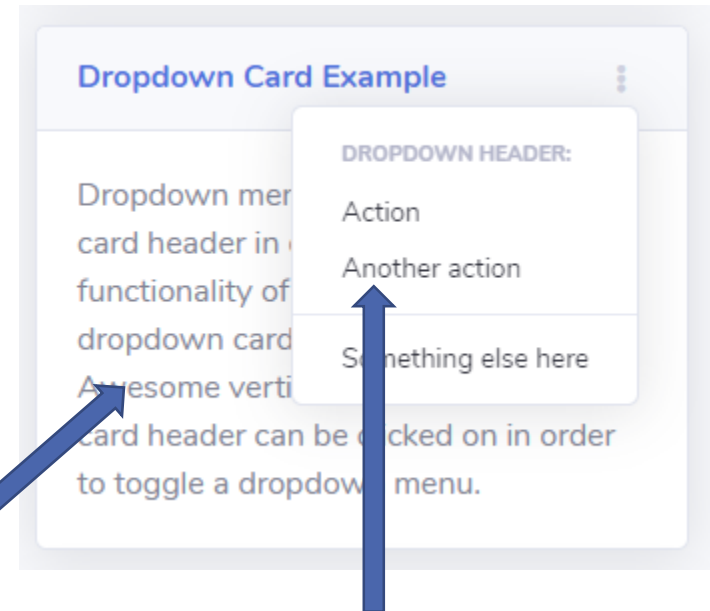
Add an action to link to edit customer page

Edit Customer Detail

- File name : editcust.html

- Content
  - Display full detail of a customer in form elements
    - ID, Name, Contact Name, Contact Title, Address
  - Design a form with proper validation

- Data
  - customers.json

First Name

Last Name

Email Address

Password

Repeat Password

Mobile First Design

- Best view on Mobile devices and Desktop

- Complete navigation bar with menu items
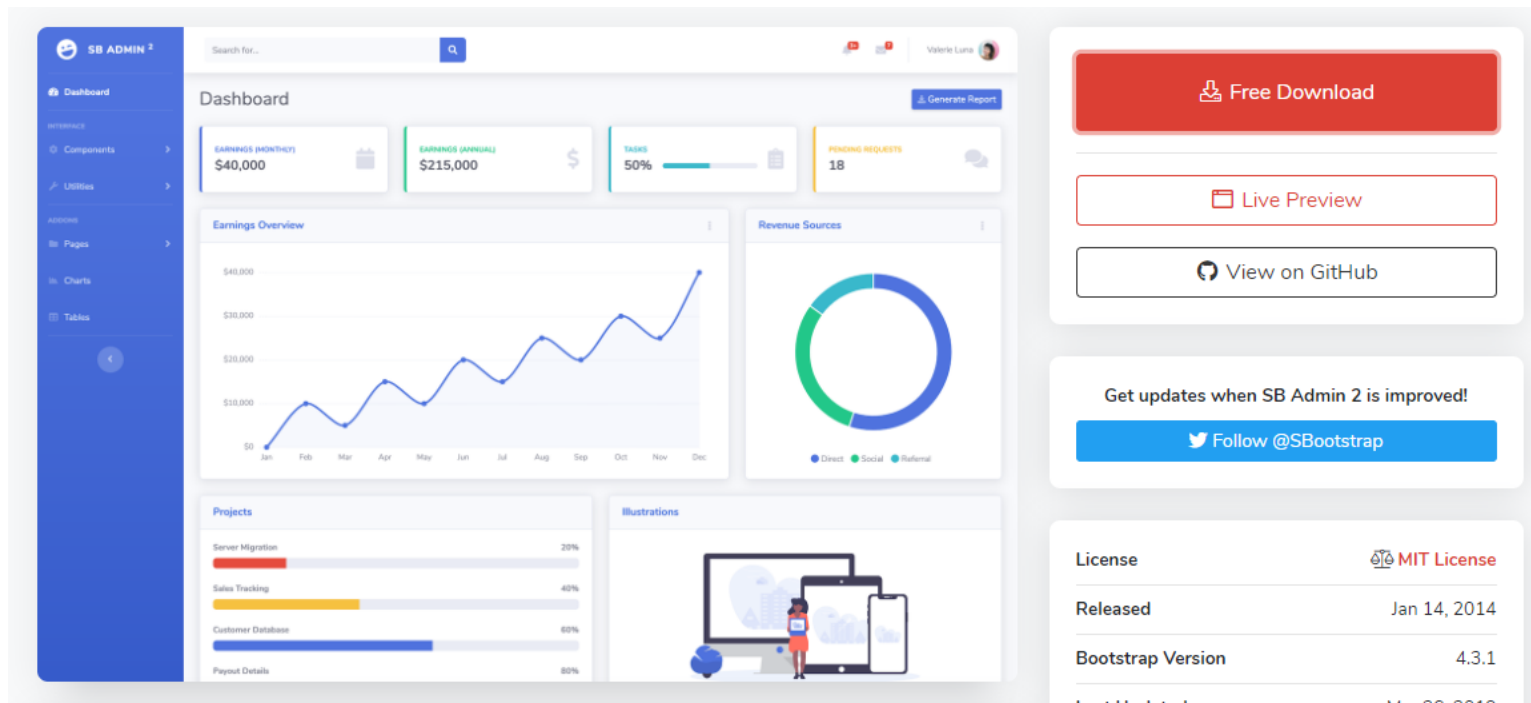 - Dashboard
  - Customer
  - About
  - Sign out

- App icons and Google font must be used
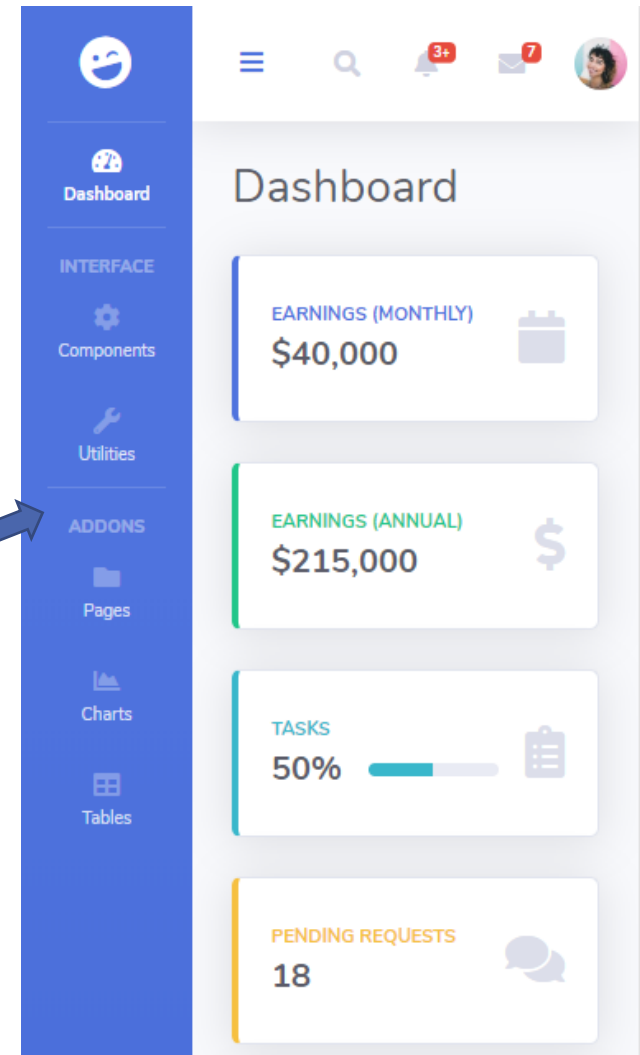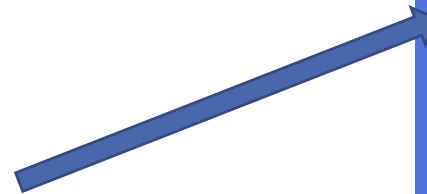
Scoring Guideline (40%)

- Completeness 20%
  - Functional, Validation
  - Responsiveness
- Bootstrap usage and techniques15%
  - Beautiful design
  - Use proper BS4 elements
  - Usability
- Coding and delivery 5%

Recommendation

- Apply a professional admin template

Due date

- Due date: **13 May 2018 before 23.59**

- Your score will be decreased in case of late submission

Submission

- Publish your code to GitHub

- Upload your Web app to a Web server

- https://docs.google.com/spreadsheets/d/1UjZpz1A2u6mn08 OqOsZwF7CSBmleQ3I9TAJmexMEHx8/edit?usp=sharing

College of Computing
PRINCE OF SONGKLA UNIVERSITY