

Project II



Bootstrap

Bootstrap + Web Application

Semester 2/2561

Dr. Korawit Prutsachainimmit



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

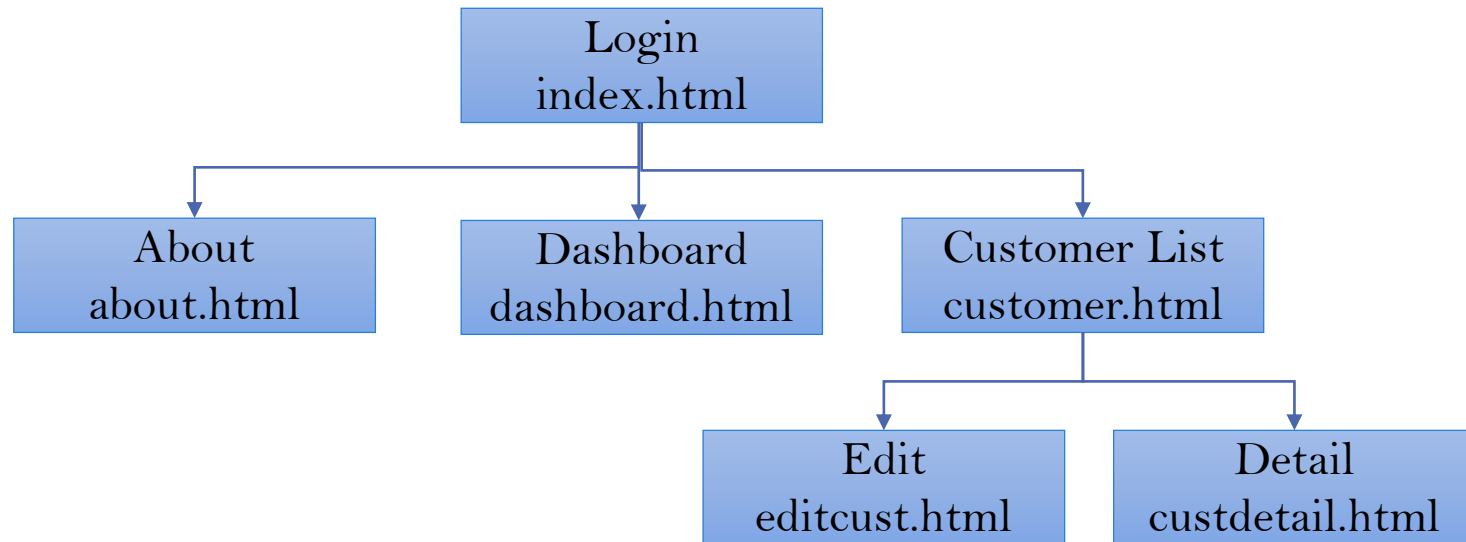
Northwind Web Application

Build a Web application for data management of Northwind Trader company



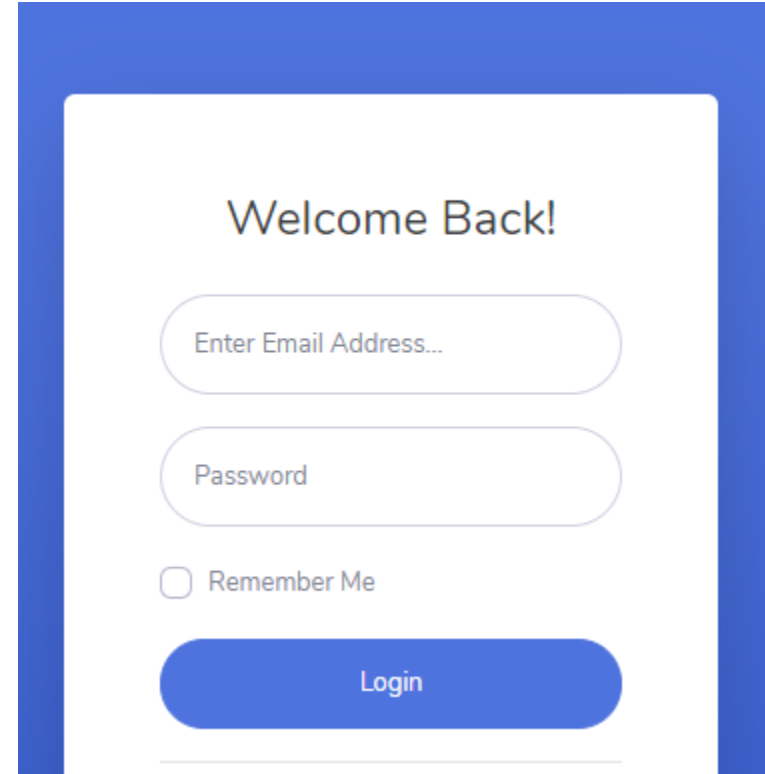
Only customer data

Northwind Site Structure



Login

- File name : login.html
- Condition
 - Email: admin@nw.com
 - Password: 12345**
- Validation
 - Require both email and password



A login form mockup with a blue border. The form contains the text "Welcome Back!" at the top. Below it are two input fields: "Enter Email Address..." and "Password". There is a checkbox labeled "Remember Me" below the password field. At the bottom is a blue button labeled "Login".

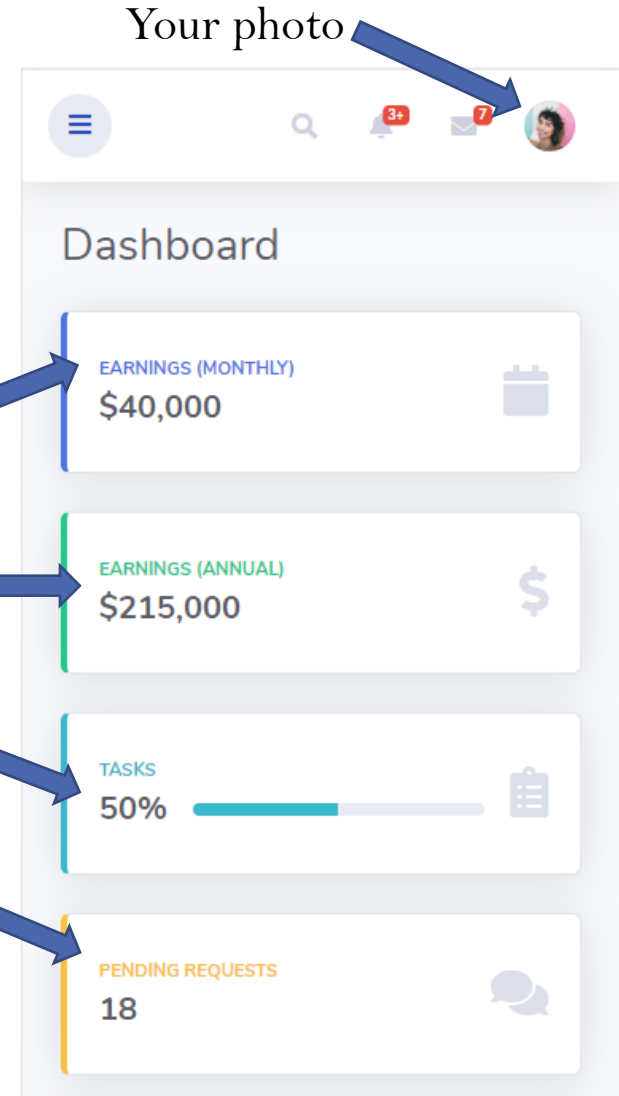
About

- File name : about.html
- Content
 - Your Student ID
 - Your Name
 - Your photo



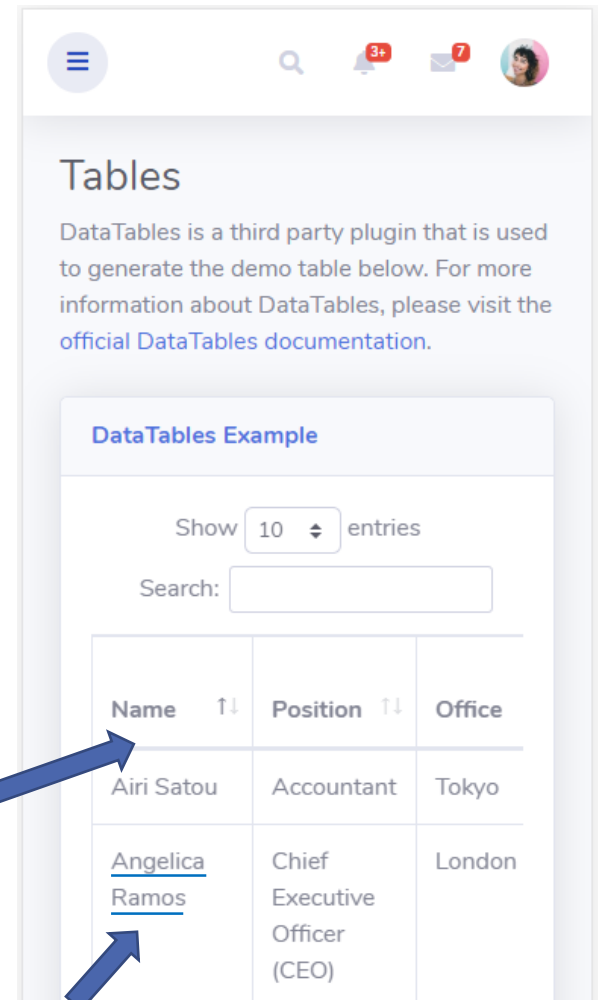
Dashboard

- 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



Customer List

- File name : customer.html
- Content
 - Display list of customer as a table with
 - ID, Name, Contact Name, Contact Title
- Data
 - customers.json



Tables

DataTables is a third party plugin that is used to generate the demo table below. For more information about DataTables, please visit the [official DataTables documentation](#).

DataTables Example

Show 10 entries

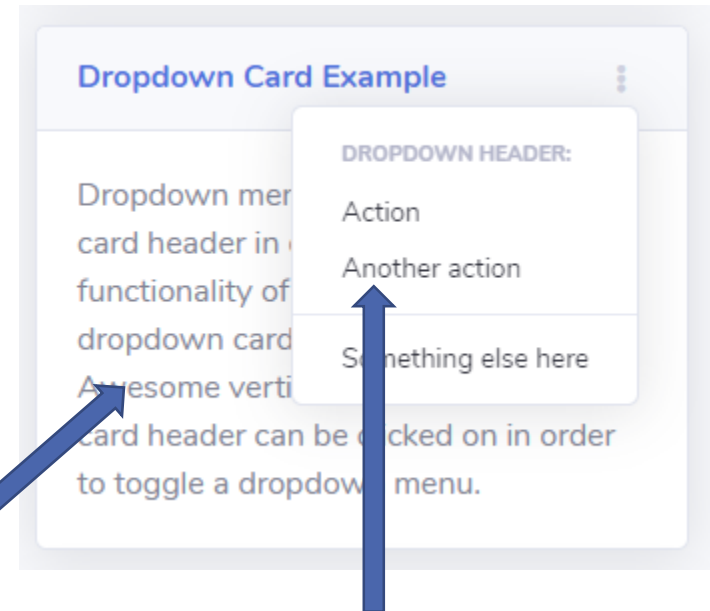
Search:

Name ↑↓	Position ↑↓	Office
Airi Satou	Accountant	Tokyo
<u>Angelica Ramos</u>	Chief Executive Officer (CEO)	London

Link to Customer Detail

Customer Detail

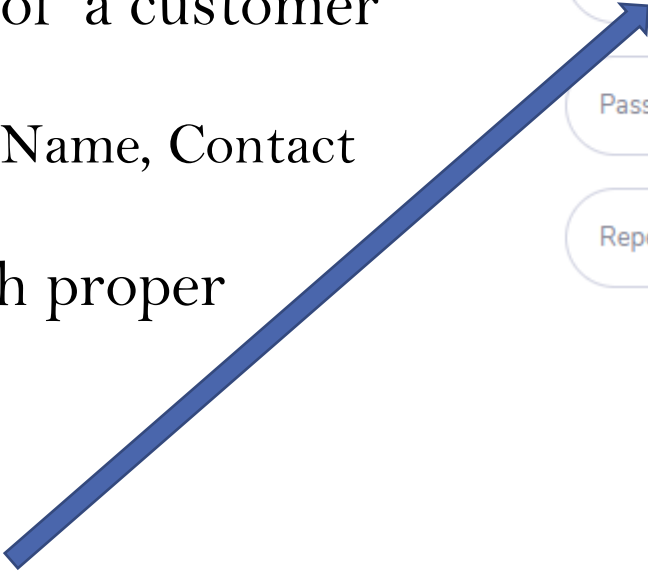
- File name : custdetail.html
- Content
 - Display full detail of a customer as a card
 - ID, Name, Contact Name, Contact Title, Address
- Data
 - customers.json



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

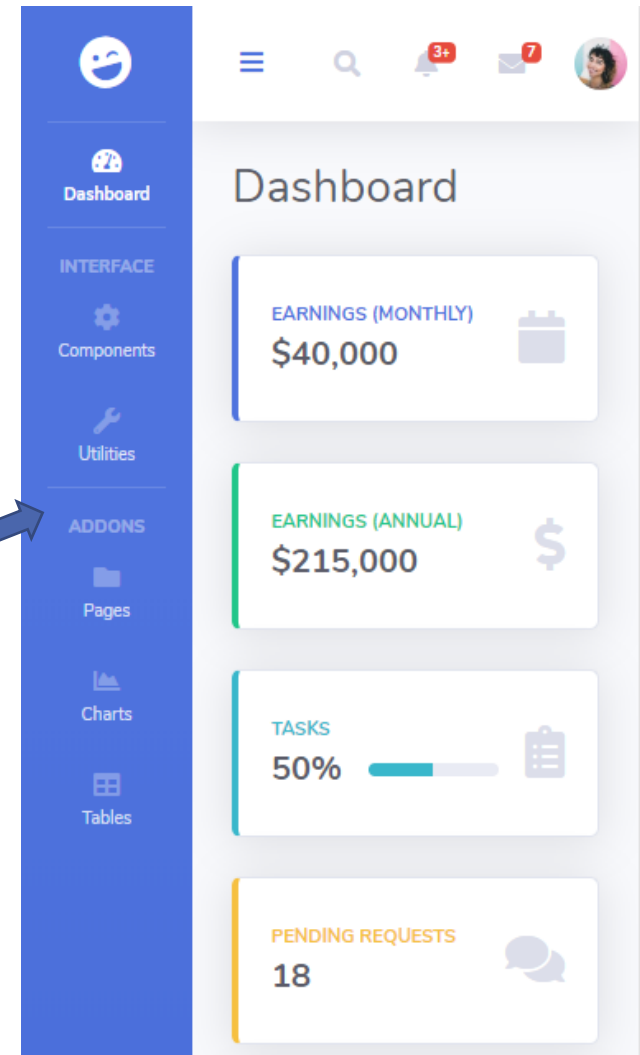
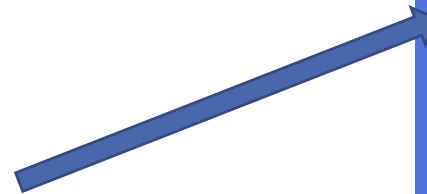
Email Address

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

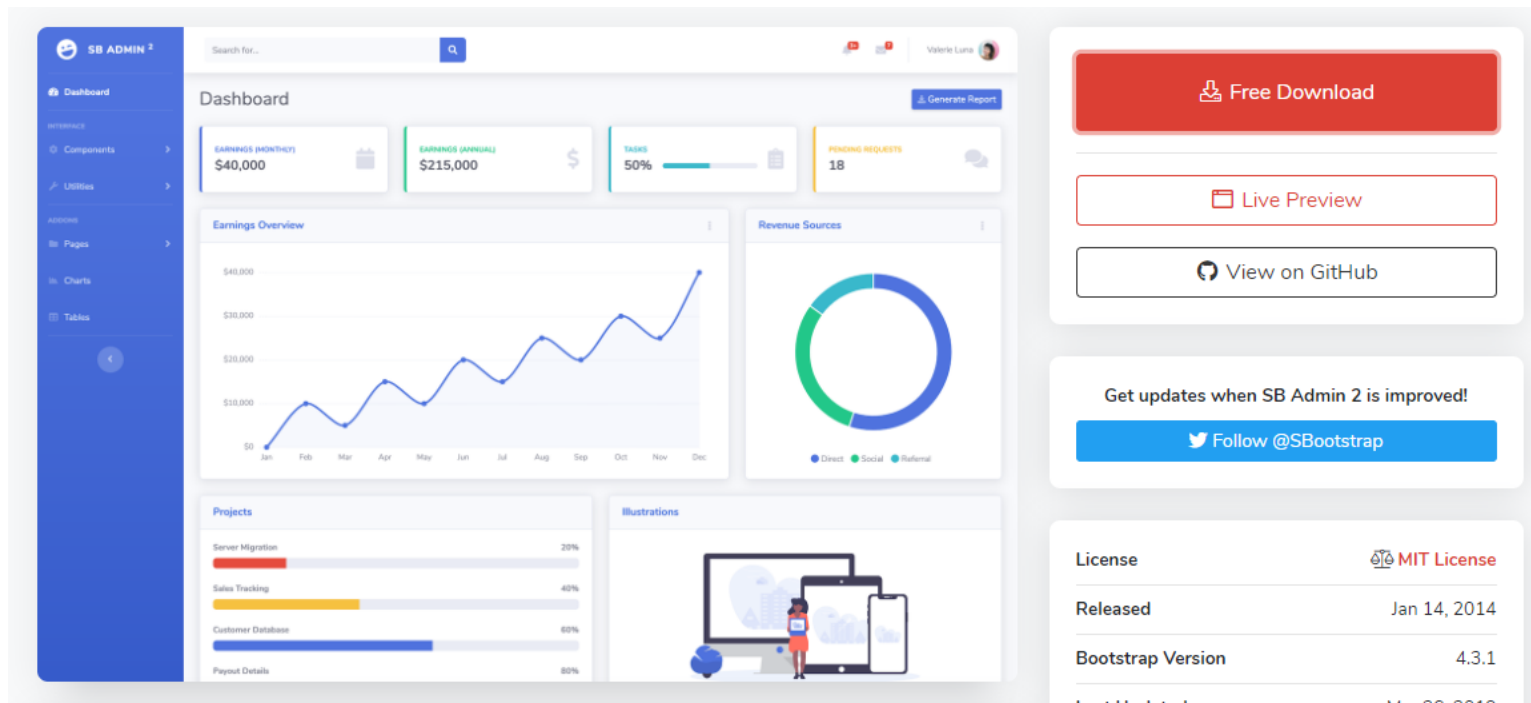


Scoring Guideline (40%)

- Completeness 20%
 - Functional, Validation
 - Responsiveness
- Bootstrap usage and techniques 15%
 - Beautiful design
 - Use proper BS4 elements
 - Usability
- Coding and delivery 5%

Recommendation

- Apply a professional admin template



The image displays a professional admin template, SB Admin 2, and its download options. The dashboard screenshot on the left shows a clean, modern interface with a blue sidebar navigation menu. The main content area includes a top navigation bar with a search bar and user profile. Below this, there's a 'Dashboard' section with four summary cards: 'Earnings (Month)' at \$40,000, 'Earnings (Annual)' at \$215,000, 'Tasks' at 50%, and 'Pending Requests' at 18. The dashboard also features two charts: 'Earnings Overview' (a line chart showing monthly trends) and 'Revenue Sources' (a donut chart showing Direct, Social, and Referral sources). At the bottom, there's a 'Projects' section with progress bars for 'Server Migration' (20%), 'Sales Tracking' (40%), 'Customer Database' (60%), and 'Payment Details' (80%). An 'Illustrations' section shows a person interacting with a large screen and mobile devices.

On the right, the download options are presented in a clean, white box with red and blue buttons:

- [Free Download](#) (Red button)
- [Live Preview](#) (Red outline button)
- [View on GitHub](#) (Black outline button)

Below these, a section for updates and social media follows:

- Get updates when SB Admin 2 is improved!
- [Follow @SBBootstrap](#) (Blue button)

At the bottom, a table provides license and version information:

License	MIT License
Released	Jan 14, 2014
Bootstrap Version	4.3.1
Last Updated	Mar 26, 2019

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/1UjZpz1A2u6mn08OqOsZwF7CSBmleQ3I9TAJmexMEHx8/edit?usp=sharing>