Tools for Agile Development

Day 3

Outlines

- UX/UI Intro
- Tools For Mock up & Prototyping
- Node Intro & install (bower , npm , yarn)
- Install App + Run
- Automation Testing (Robotframework & SeleniumLibrary)

UX vs UI

UX กับ UI ต่างกันยังไง?

UX/UI ?

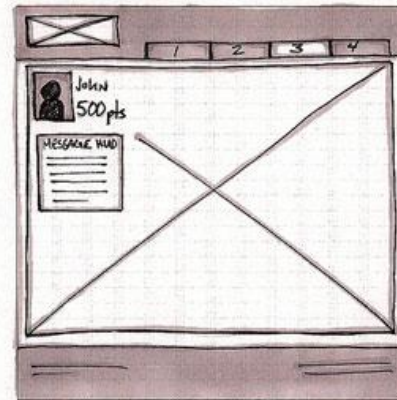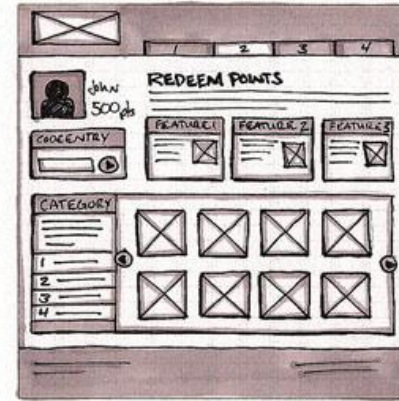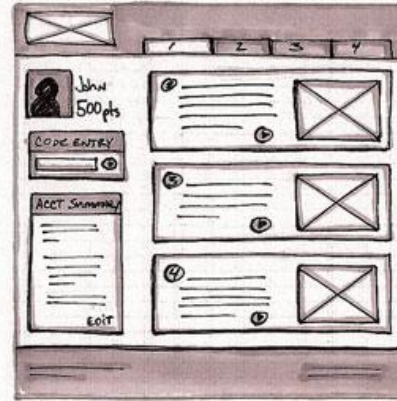# UX/UI ?

WHY UX ?

- Cost
- Income

WHY User ?

WireFrames ?

- Focused on information and overall layout

- Map out application structure
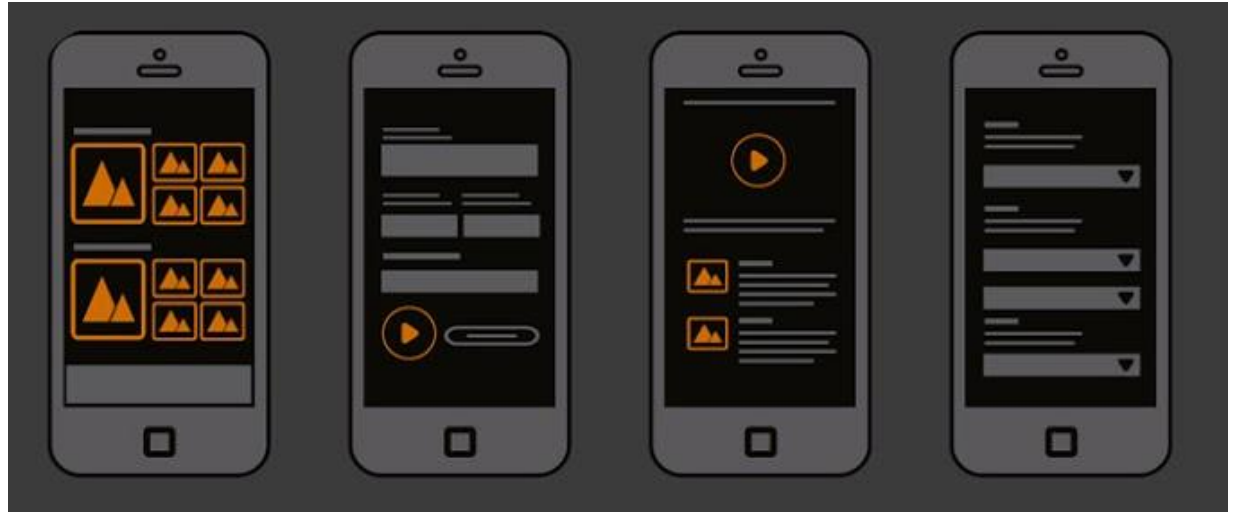
WireFrames

WireFrames

WireFrames

WireFrames

WireFrames

How to WireFrames

● Paper

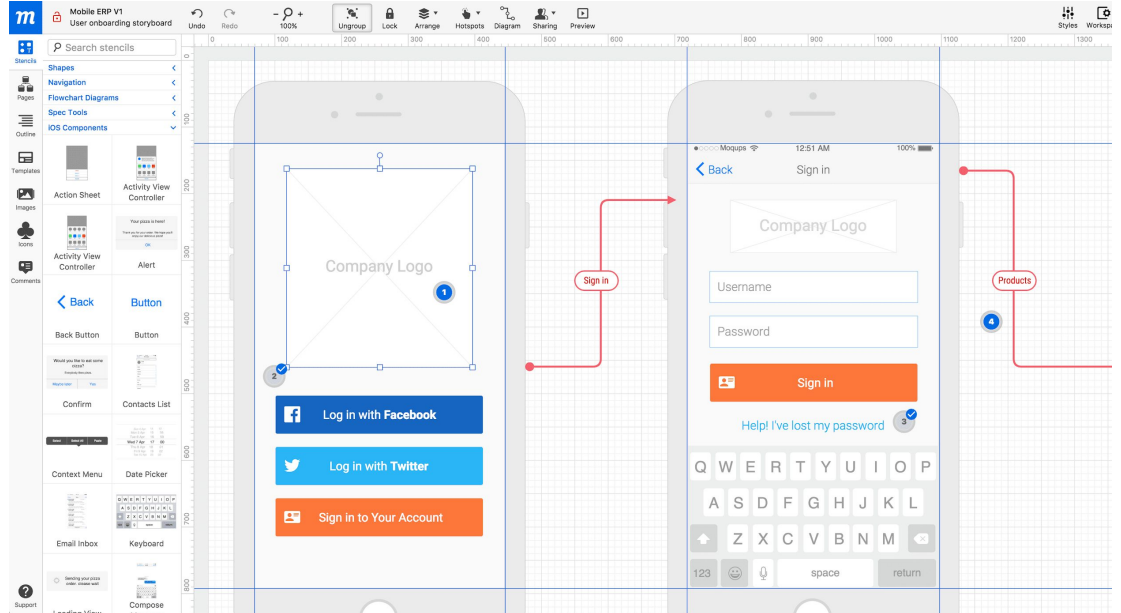# How to WireFrames

How to WireFrames

- Website

How to WireFrames

- Moqups
  - Platform: Web-based
  - Price: Free / €13 (personal) / €19-€149 (team) per month

Ref : https://moqups.com/
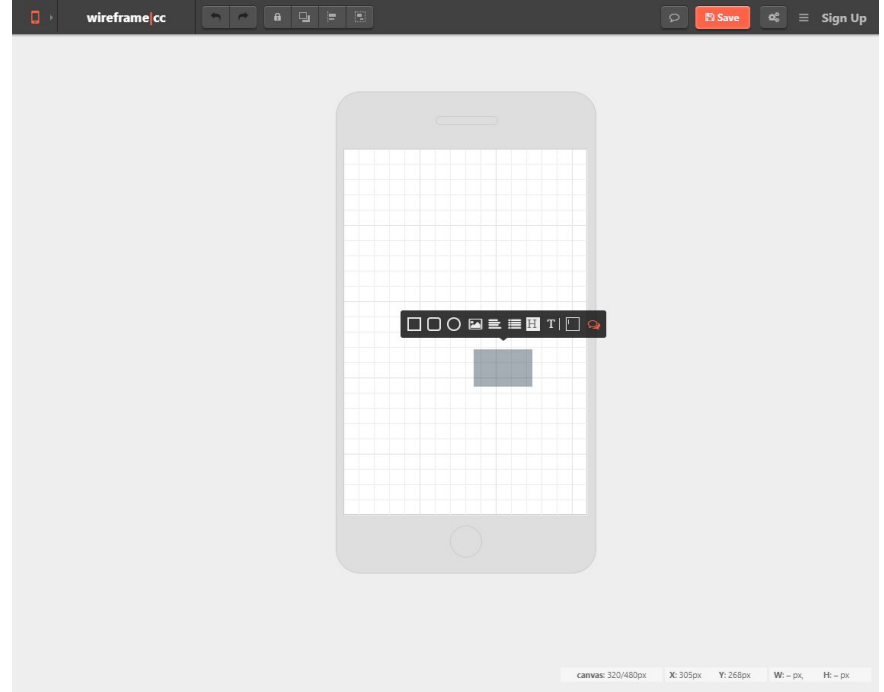
How to WireFrames

- Moqups

Ref : https://moqups.com/

How to WireFrames

- Wireframes.cc
  - Platform: Web-based
  - Price: Free / $16 (solo) / $39 (trio) / $99 (unlimited) per month
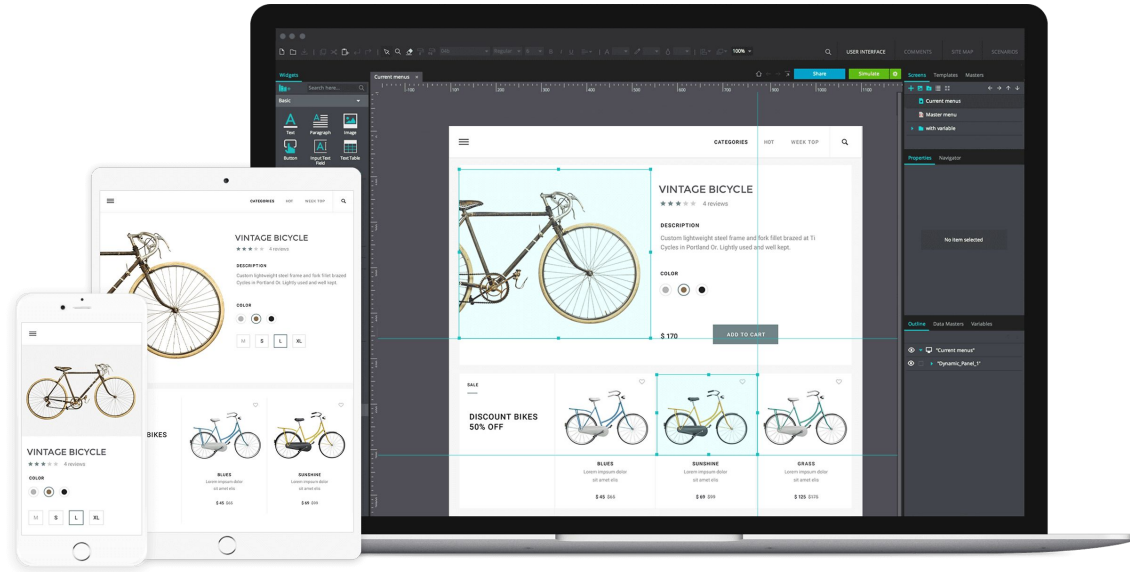
Ref : https://wireframe.cc/

How to WireFrames

● Wireframes.cc

Ref : https://wireframe.cc/

How to WireFrames

- **justinmind**
  - Platform: Web-based
  - Price: Free / Enterprise

Ref : https://www.justinmind.com/

WireFrame VS Prototyping

- Visual design including color, hierarchy, and iconography
- Refined representation of final

Prototyping

- Limit the expense of development costs
- Test out design concepts
- Refine usability of the product
- Communication tool for the project team
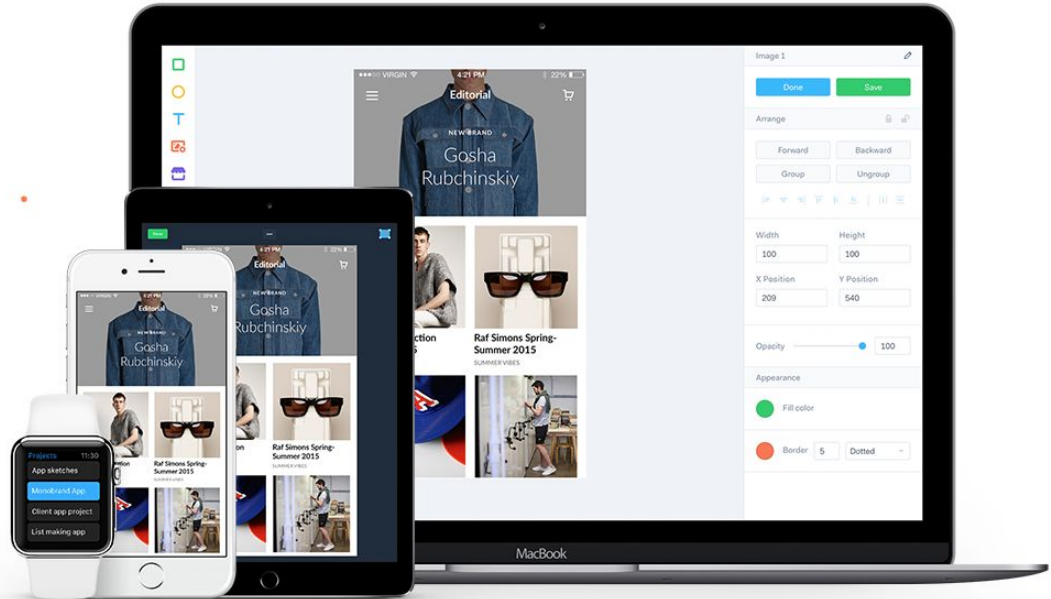
Prototyping Tools

Prototyping Tools

Ref : https://marvelapp.com/

Workshop

Ref : https://marvelapp.com/

- Signin
  - Firstname
  - Lastname
  - Age
  - email
  - Password
  - Confirm Password
- Login (email,password)
- Dashboard

FRONT END DEVELOPERS

BACKEND DEVELOPERS
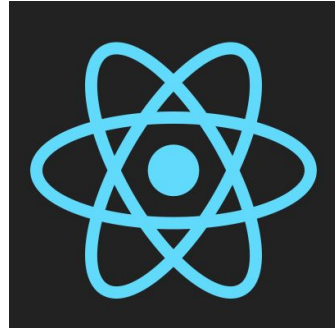
FULL STACK DEVELOPERS

TYPES OF WEB DEVELOPMENT

JAVASCRIPT FRAMEWORK
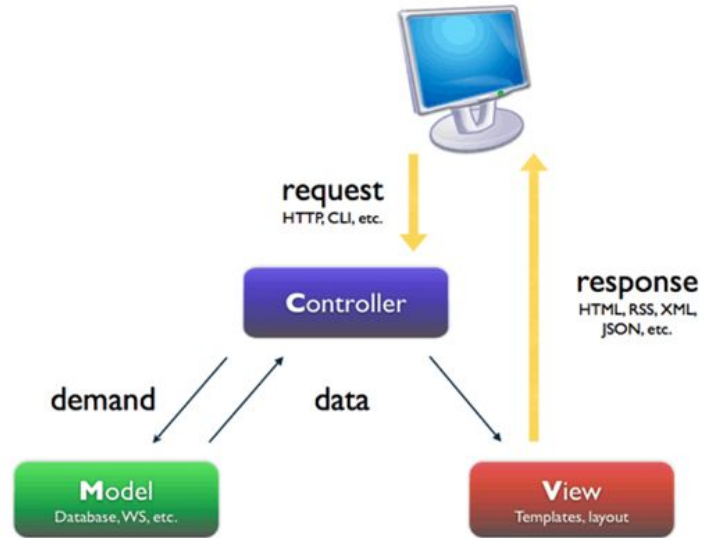
JAVASCRIPT FRAMEWORK
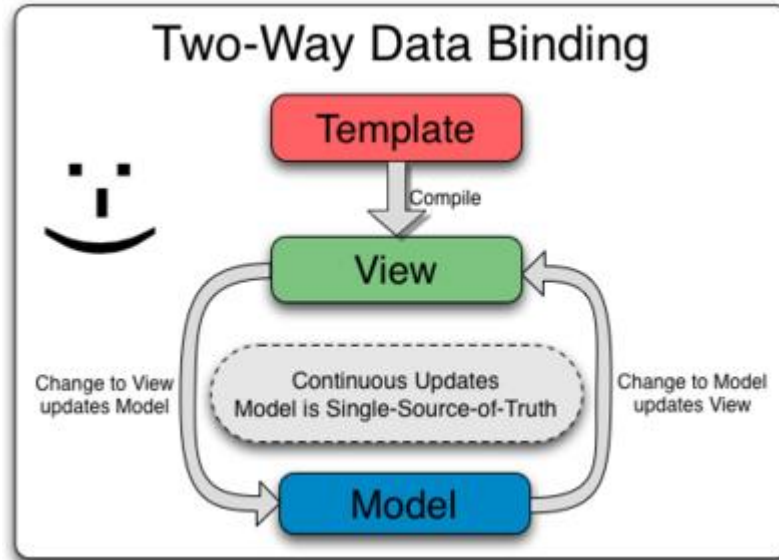

Angularjs

JAVASCRIPT FRAMEWORK

MVC

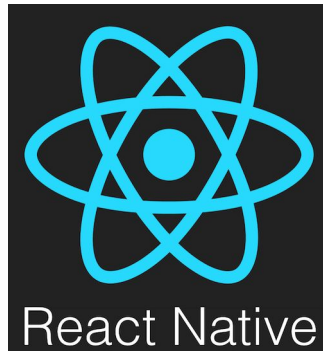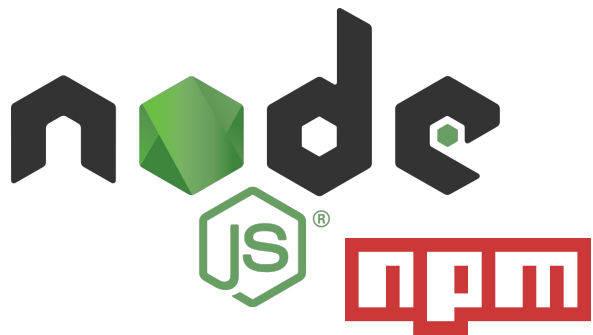# JAVASCRIPT FRAMEWORK

HYBRID APP FRAMEWORK

Node.js Intro (package management)

- Download and install Node.js
`nodejs.org`

npm

bower

```
project root

[node_modules] // default directory for dependencies

    ●     -> dependency A
    ●     -> dependency B [node_modules]
        ○     -> dependency A
    ●     -> dependency C [node_modules]
        ○     -> dependency B [node_modules]
            ■     -> dependency A
        ○     -> dependency D
```

```
project root

[node_modules] // default directory for dependencies

    ●     -> dependency A
    ●     -> dependency B //need dependency A
    ●     -> dependency C //need dependency B and D
    ●     -> dependency D
```

Install App

- Bower Install **bower.io**
- Pull Project Example

  https://github.com/csithdev/ku_frontend

- Init Bower & npm

Bower and package install

```
npm install -g bower
bower install <package>


-    bower install ng-table#1.0.0 --save
```

npm serve

```
-    npm install -g serve
```

Run

```
- serve (cmd)
- localhost:5000 (url)
```

Automation testing

Python 2.7.14

- https://www.python.org

Robotframework

- http://robotframework.org

SeleniumLibrary

- https://github.com/robotframework/SeleniumLibrary

Install Python

- Download & Install Python 2.7.14
    - https://www.python.org/downloads/
- Set PATH Variables (for Windows)
    - System Properties > Advanced Settings > Environment Variables
    - Add new variable to Path
        - `C:\Python`
        - `C:\Python\Scripts`
- Restart your computer
- Open terminal or cmd
    - `python --version`
    - `pip --version`

Install SeleniumLibrary

- Documentation
    - https://github.com/robotframework/SeleniumLibrary

- Use pip install (Package Manager in Python)

- Open terminal or cmd
    - `pip install --upgrade robotframework-seleniumlibrary`

Demo

- Run Project
- Run robot file

- Chromedriver (Chrome Browser)
    - https://sites.google.com/a/chromium.org/chromedriver/downloads