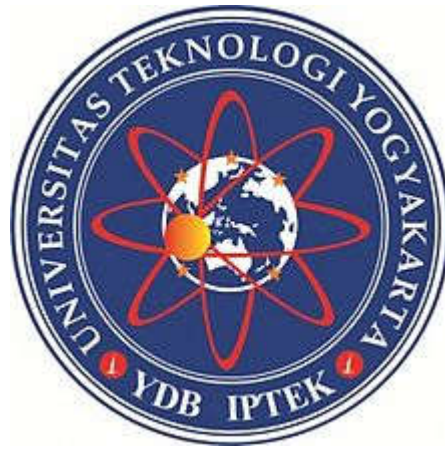


TUGAS 2

Instalasi framework Metro Ui
Mata Kuliah Praktikum Desain Web



Disusun oleh:

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**PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNOLOGI INFORMASI DAN ELEKTRO
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Tugas 2

Instalasi Metro UI menggunakan bower

1. Download dan install GIT di <https://git-scm.com/>
2. Download dan install Node.JS di <https://nodejs.org/en/>
3. Buka **Node.JS Command Prompt** yang sudah di instal tadi, cari lewat pencarian. ketikan npm version untuk mengecek **Node.JS** yang sudah di install.

```
Node.js command prompt
Your environment has been set up for using Node.js 8.9.4 (ia32) and npm.

C:\Users\teguh>npm version
{ npm: '5.6.0',
  ares: '1.10.1-DEV',
  cldr: '31.0.1',
  http_parser: '2.7.0',
  icu: '59.1',
  modules: '57',
  nghttp2: '1.25.0',
  node: '8.9.4',
  openssl: '1.0.2n',
  tz: '2017b',
  unicode: '9.0',
  uv: '1.15.0',
  v8: '6.1.534.50',
  zlib: '1.2.11' }

C:\Users\teguh>
```

4. Selanjutnya ketikan **npm install -g bower** untuk menginstall bower.

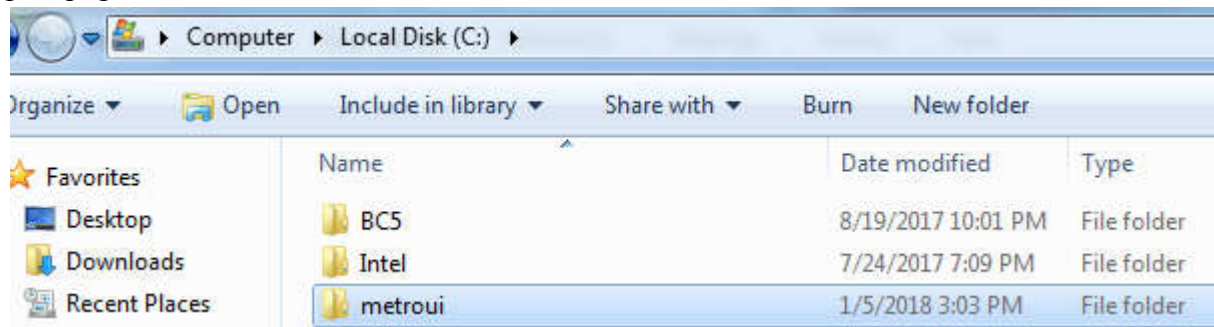
```
C:\Users\teguh>npm install -g bower
npm WARN deprecated bower@1.8.2: ...psst! Your project can stop working at any moment because its dependencies can change. Prevent this by migrating to Yarn: https://bower.io/blog/2017/how-to-migrate-away-from-bower/
C:\Users\teguh\AppData\Roaming\npm\bower -> C:\Users\teguh\AppData\Roaming\npm\node_modules\bower\bin\bower
+ bower@1.8.2
added 1 package in 29.256s
```

5. Masuk Comnd promt biasa **windows+R** dan ketikan **bower search metro**.

```
C:\Users\teguh>bower search metro
Search results:

metro https://github.com/olton/Metro-UI-CSS.git
jq-metro https://github.com/mvalipour/jq-metro.git
metro-ui https://github.com/sirkirby/Metro-UI-CSS-nuget.git
metron https://github.com/metronical/metron.git
metrojs https://github.com/drewgreenwell/MetroJS.git
metro-dist https://github.com/olton/metro-dist.git
metrocss https://github.com/BingKui/metrocss.git
MetroDNA https://github.com/clementoriol/MetroDNA.git
metro-admin https://github.com/angularjsadmin/metro-admin.git
Metro-UI-CSS https://github.com/olton/Metro-UI-CSS.git
metro-ui-css https://github.com/olton/Metro-UI-CSS.git
metro-select https://github.com/metro-start/metro-select.git
metronomejs https://github.com/luizpaulo165/metronomejs.git
metro-bootstrap https://github.com/TalksLab/metro-bootstrap.git
egerep-svg-metro https://github.com/shamego/mosemetro-svg-map.git
bootmetro https://github.com/aozora/bootmetro.git
vzmetro3 https://github.com/arieswebdev001/vz-metro-3.git
openizi-bootstrap-metro https://github.com/OpenIzi/bootstrap-metro.git
css3-microsoft-metro-buttons https://github.com/Raffaello/css3-microsoft-metro-buttons.git
metrophobic-googlefont https://github.com/google-fonts-bower/metrophobic-bower.git
duhbruk https://github.com/duhbru/duhb-metro.git
```

6. Buatlah direktori di **Local Disk C** dengan nama **metroui** untuk wadah dari penginstallan packpage



7. Pindah ke direktori yang diinginkan menggunakan perintah `cd<patch_direktori>`.

8. Masukkan perintah bower install metro untuk mulai mengunduh packpage

9. Tunggu hingga proses selesai.

```
c:\metroui>bower install metro
power metro#*      not-cached https://github.com/olton/Metro-UI-CSS.git#*
power metro#*      resolve  https://github.com/olton/Metro-UI-CSS.git#*
power metro#*      download https://github.com/olton/Metro-UI-CSS/archive/3.0
power metro#*      progress received 0.8MB of 49.2MB downloaded, 2%
power metro#*      progress received 0.9MB of 49.2MB downloaded, 2%
power metro#*      progress received 1.1MB of 49.2MB downloaded, 2%
power metro#*      progress received 1.2MB of 49.2MB downloaded, 2%
power metro#*      progress received 1.3MB of 49.2MB downloaded, 3%
power metro#*      progress received 1.5MB of 49.2MB downloaded, 3%
power metro#*      progress received 1.6MB of 49.2MB downloaded, 3%
power metro#*      progress received 1.6MB of 49.2MB downloaded, 3%
power metro#*      progress received 1.7MB of 49.2MB downloaded, 3%
power metro#*      progress received 1.8MB of 49.2MB downloaded, 4%
power metro#*      progress received 1.8MB of 49.2MB downloaded, 4%
power metro#*      progress received 1.9MB of 49.2MB downloaded, 4%
power metro#*      progress received 1.9MB of 49.2MB downloaded, 4%
power metro#*      progress received 2.0MB of 49.2MB downloaded, 4%
power metro#*      progress received 2.1MB of 49.2MB downloaded, 4%
power metro#*      progress received 2.2MB of 49.2MB downloaded, 5%
power metro#*      progress received 2.4MB of 49.2MB downloaded, 5%
power metro#*      progress received 2.7MB of 49.2MB downloaded, 5%
power metro#*      progress received 2.9MB of 49.2MB downloaded, 6%
power metro#*      progress received 3.1MB of 49.2MB downloaded, 6%
power metro#*      progress received 3.3MB of 49.2MB downloaded, 7%
power metro#*      progress received 3.5MB of 49.2MB downloaded, 7%
power metro#*      progress received 3.7MB of 49.2MB downloaded, 8%
power metro#*      progress received 3.9MB of 49.2MB downloaded, 8%
```

```

bower metro#* progress received 47.2MB of 49.2MB downloaded, 96%
bower metro#* progress received 47.5MB of 49.2MB downloaded, 96%
bower metro#* progress received 47.8MB of 49.2MB downloaded, 97%
bower metro#* progress received 48.3MB of 49.2MB downloaded, 98%
bower metro#* progress received 49.0MB of 49.2MB downloaded, 100%
bower metro#* extract archive.tar.gz
bower metro#* invalid-meta for:C:\Users\Acer\AppData\Local\Temp\DESKTOP-
58c309283bcd8d4-9496-B4cy60\bower.json
bower metro#* invalid-meta The "main" field cannot contain font, image,
bower metro#* invalid-meta The "main" field cannot contain font, image,
bower metro#* invalid-meta The "main" field cannot contain font, image,
bower metro#* invalid-meta The "main" field cannot contain font, image,
bower metro#* invalid-meta The "main" field has to contain only 1 file p
es: ["build/css/metro.css","build/css/metro-icons.css","build/css/metro-rtl.css","bu
/css/metro-schemes.css"]
bower metro#* resolved https://github.com/olton/Metro-UI-CSS.git#3.0
bower jquery#>= 1.9.1 not-cached https://github.com/jquery/jquery-dist.git#>=
bower jquery#>= 1.9.1 resolve https://github.com/jquery/jquery-dist.git#>=
bower jquery#>= 1.9.1 download https://github.com/jquery/jquery-dist/archive
bower jquery#>= 1.9.1 extract archive.tar.gz
bower jquery#>= 1.9.1 resolved https://github.com/jquery/jquery-dist.git#3.2
bower metro#^3.0.17 install metro#3.0.17
bower jquery#>= 1.9.1 install jquery#3.2.1

metro#3.0.17 bower_components\metro
└─ jquery#3.2.1

jquery#3.2.1 bower_components\jquery

```

10. Jika sudah selesai, cek pada langkah 6, apakah package yang di instal sudah masuk atau belum, jika sudah masuk maka terdapat file seperti dibawah. Package siap digunakan.

> Local Disk (C:) > metroui > bower_components > metro		
Name	Date modified	Type
build	20/12/2017 15.42	File folder
fonts	20/12/2017 15.42	File folder
js	20/12/2017 15.42	File folder
less	20/12/2017 15.42	File folder
.bower.json	20/12/2017 15.42	JSON Source File
.gitattributes	20/12/2017 15.42	Text Document
.gitignore	20/12/2017 15.42	Text Document
bower.json	20/12/2017 15.42	JSON Source File
CHANGELOG.md	20/12/2017 15.42	Markdown Sour
Gruntfile.js	20/12/2017 15.42	JavaScript File
LICENSE	20/12/2017 15.42	File
metro.nuspec	20/12/2017 15.42	NUSPEC File
package.json	20/12/2017 15.42	JSON Source File
README.md	20/12/2017 15.42	Markdown Sour

Langkah instalasi framework Bootstrap dengan menggunakan composer

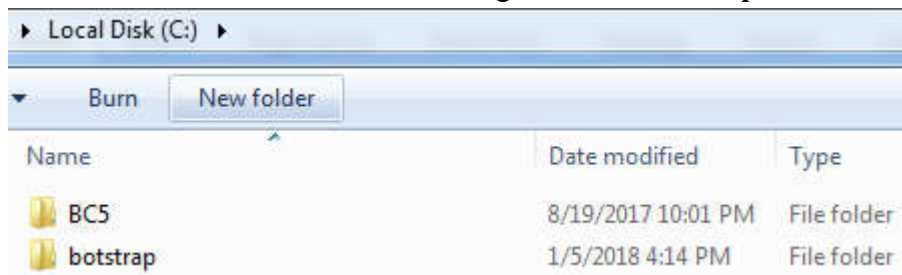
1. Download dan install GIT di <https://git-scm.com>
2. Masukkan link <https://getcomposer.org/download/>
3. Instal composer-Setup.exe dan instal di komputer
4. Setelah composer di install cek apakah composer berhasil di install menggunakan `composer-version`

```
Composer version 1.4.2 2017-05-17 08:17:52

Usage:
  command [options] [arguments]

Options:
  -h, --help                Display this help message
  -q, --quiet               Do not output any message
  -V, --version             Display this application version
  --ansi                   Force ANSI output
  --no-ansi                Disable ANSI output
  -n, --no-interaction      Do not ask any interactive question
  --profile                Display timing and memory usage information
  --no-plugins              Whether to disable plugins.
  -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory.
  -v|vv|vvv, --verbose     Increase the verbosity of messages: 1 for normal output, 2 for more
                             verbose output and 3 for debug
```

5. buat folder baru di local disk C dengan nama **bootstrap**



6. Buka CMD dan ganti direktori ke tempat penyimpanan yang digunakan untuk mengunduh bootstrap

```
C:\Windows\system32\cmd.exe

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\teguh>cd c:\bootstrap
c:\bootstrap>
```

7. Ketikkan `composer require twbs/bootstrap`, dan tunggu sampai selesai.

```

C:\Users\Acer>cd c:\bootstrap

c:\bootstrap>composer require twbs/bootstrap
Using version ^3.3 for twbs/bootstrap
./composer.json has been created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Installing twbs/bootstrap (v3.3.7): Loading from cache
Writing lock file
Generating autoload files
c:\bootstrap>

```

9. jika proses unduhan selesai, cek direktori penyimpanan yang di tuju tadi, apakah sudah tersimpan?

Local Disk (C:) > bootstrap		
Name	Date modified	Type
vendor	23/12/2017 07:15	File folder
composer.json	23/12/2017 07:14	JSON Source File
composer.lock	23/12/2017 07:15	LOCK File

Local Disk (C:) > bootstrap > vendor > twbs > bootstrap		
Name	Date modified	Type
dist	23/12/2017 07:15	File folder
docs	23/12/2017 07:15	File folder
fonts	23/12/2017 07:15	File folder
grunt	23/12/2017 07:15	File folder
js	23/12/2017 07:15	File folder
less	23/12/2017 07:15	File folder
nuget	23/12/2017 07:15	File folder
.editorconfig	23/12/2017 07:15	Editor Config Sour...
.gitattributes	23/12/2017 07:15	Text Document
.gitignore	23/12/2017 07:15	Text Document
.hound.yml	23/12/2017 07:15	Yaml Source File
.travis.yml	23/12/2017 07:15	Yaml Source File
_config.yml	23/12/2017 07:15	Yaml Source File
bower.json	23/12/2017 07:15	JSON Source File
CHANGELOG.md	23/12/2017 07:15	Markdown Source...
CNAME	23/12/2017 07:15	File
composer.json	23/12/2017 07:15	JSON Source File
CONTRIBUTING.md	23/12/2017 07:15	Markdown Source...
Gemfile	23/12/2017 07:15	File

10. Packpage siap digunakan.