

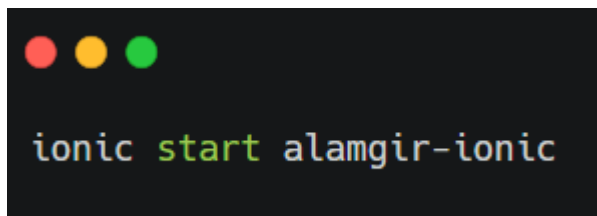
IT 332 Mobile Application Development

Assignment # 1

Last Date: 8-Oct-2019

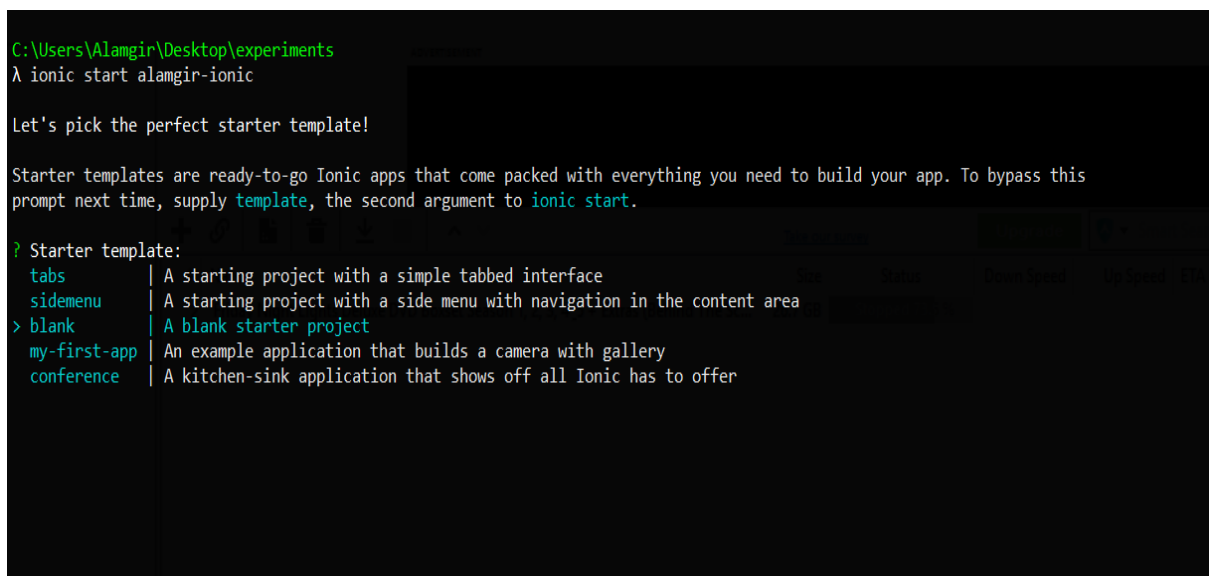
Task: Create an Ionic application (use your name as folder name + -ionic), Update the Home Page with your Name, City where you belong and your interests, take a screenshot from the browser, add the screenshot to the readme.md file, and upload to your github account.

Step 1:



```
ionic start alamgir-ionic
```

Choose any of first three, here im choosing **blank**



```
C:\Users\Alamgir\Desktop\experiments
λ ionic start alamgir-ionic

Let's pick the perfect starter template!

Starter templates are ready-to-go Ionic apps that come packed with everything you need to build your app. To bypass this prompt next time, supply template, the second argument to ionic start.

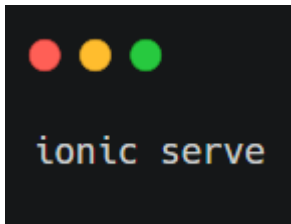
? Starter template:
  tabs      | A starting project with a simple tabbed interface
  sidemenu  | A starting project with a side menu with navigation in the content area
> blank     | A blank starter project
  my-first-app | An example application that builds a camera with gallery
  conference | A kitchen-sink application that shows off all Ionic has to offer
```

Once done, open the code in Visual Studio Code

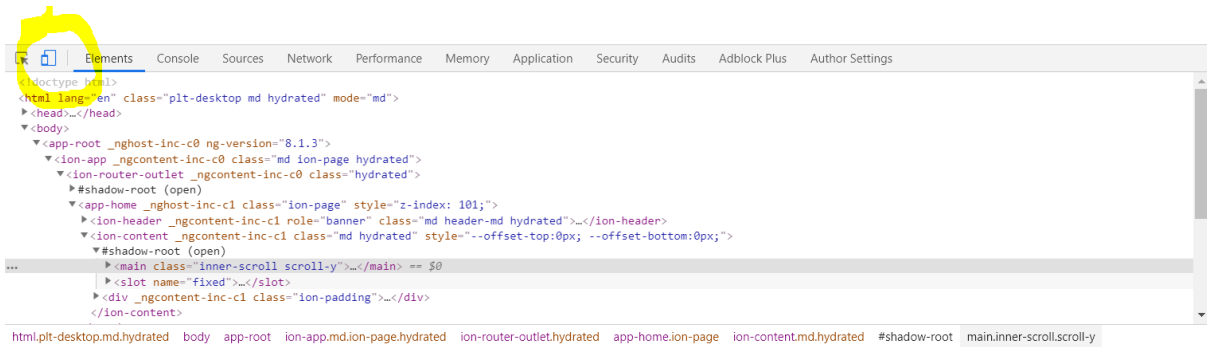
Here's a shortcut

```
C:\Users\Alamgir\Desktop\experiments\alamgir-ionic  
λ code .
```

Step 2:



In order to see mobile view, Right – Click -> Inspect Elements ->



Step 3:

Open *home-page.component.html*

Now write your name, city and interests

You can use either way

```
import { Component } from '@angular/core';

@Component({
  selector: 'app-home',
  templateUrl: 'home.page.html',
  styleUrls: ['home.page.scss']
})
export class HomePage {
  // name = 'Alamgir';
  // city = 'Rawalpindi';
  // interests = ['Football', 'Books', 'Tv Serials'];

  user = {
    name: 'Alamgir',
    city: 'Rawalpindi',
    interests: ['Football', 'Books', 'Tv Serials']
  };

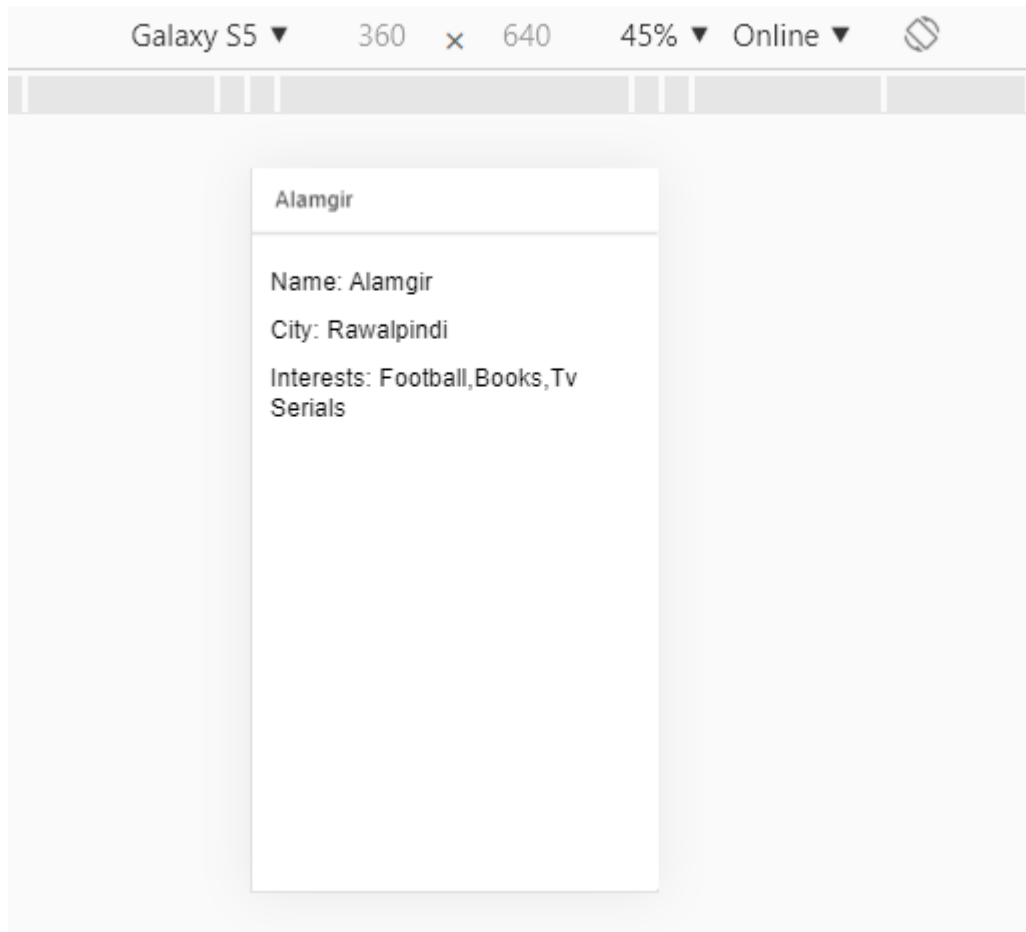
  constructor() {}
}
```

Now display this in html

```
src > app > home > home.page.html > ion-content
1  <ion-header>
2    <ion-toolbar>
3      <ion-title>
4        Alamgir
5      </ion-title>
6    </ion-toolbar>
7  </ion-header>
8
9  <ion-content>
10    <div class="ion-padding">
11      <h3>
12        Name: {{ user?.name }}
13      </h3>
14      <h3>
15        City: {{ user?.city }}
16      </h3>
17      <h3>
18        Interests: {{ user?.interests.toString() }}
19      </h3>
20    </div>
21    <!-- <div class="ion-padding">
22      <h3>
23        Name: {{ name }}
24      </h3>
25      <h3>
26        City: {{ city }}
27      </h3>
28      <h3>
29        Interests: {{ interests.toString() }}
30      </h3>
31    </div> -->
32  </ion-content>
```

Step 4:

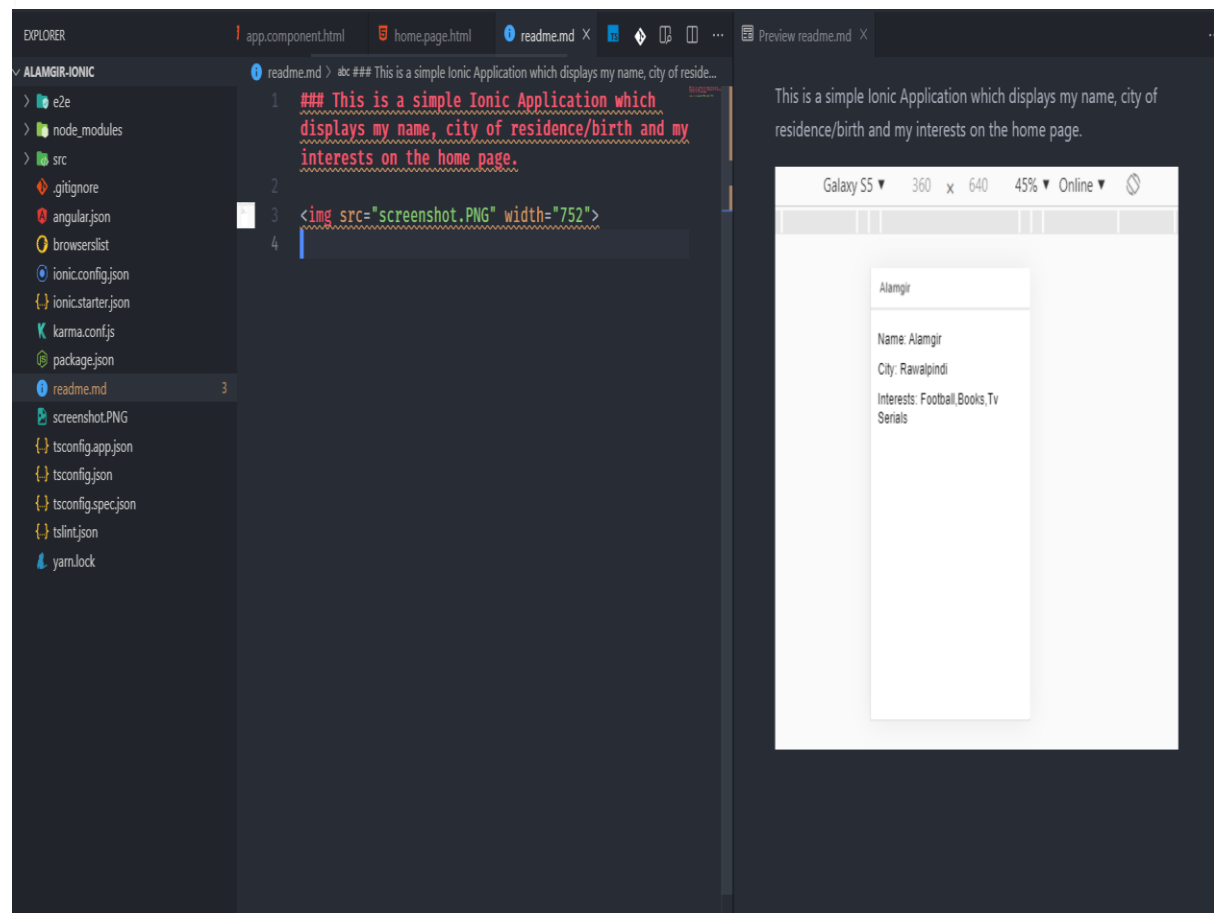
Take a screenshot of your app. You can use Snipping Tool on Windows



Step 5:

Add the Screenshot in readme.md of your project. Also Create a readme.md file of your project. This readme file will tell us which this project / app does.

Name	Date modified	Type	Size
e2e	9/22/2019 11:04 A...	File folder	
node_modules	9/22/2019 11:07 A...	File folder	
src	9/22/2019 11:04 A...	File folder	
.gitignore	9/20/2019 10:08 PM	Git Ignore Source ...	1 KB
angular.json	9/20/2019 10:08 PM	JSON Source File	6 KB
browserslist	9/20/2019 10:08 PM	File	1 KB
ionic.config.json	9/22/2019 11:04 A...	JSON Source File	1 KB
ionic.starter.json	9/20/2019 10:08 PM	JSON Source File	1 KB
karma.conf.js	9/20/2019 10:08 PM	JavaScript File	1 KB
package.json	9/22/2019 11:04 A...	JSON Source File	2 KB
readme.md	9/22/2019 11:24 A...	Markdown Source ...	0 KB
screenshot.PNG	9/22/2019 11:24 A...	PNG File	16 KB
tsconfig.app.json	9/20/2019 10:08 PM	JSON Source File	1 KB
tsconfig.json	9/20/2019 10:08 PM	JSON Source File	1 KB
tsconfig.spec.json	9/20/2019 10:08 PM	JSON Source File	1 KB
tslint.json	9/20/2019 10:08 PM	JSON Source File	2 KB
yarn.lock	9/22/2019 11:07 A...	LOCK File	300 KB



```
## This is a simple Ionic Application which displays my name, city of residence/birth and my interests on the home page.  
  

```

This is a simple Ionic Application which displays my name, city of residence/birth and my interests on the home page.

Galaxy S5 360 x 640 45% Online

Alamgir

Name: Alamgir

City: Rawalpindi

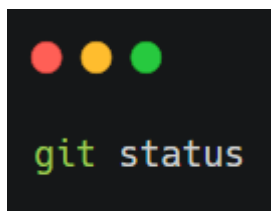
Interests: Football, Books, Tv Series

Step 6:

Now we need to upload it to github. This is a good helper video for learning Git (https://www.youtube.com/watch?v=Y9XZQO1n_7c). There are plenty other good videos on youtube. Don't worry, you only need to understand / know 3,4 commands. That's it.

Go to command line / cmd / cmdr / powershell / hyper

Run **git status**



```
C:\Users\Alamgir\Desktop\experiments\alamgir-ionic
λ git status
fatal: not a git repository (or any of the parent directories): .git
```

```
C:\Users\Alamgir\Desktop\experiments\alamgir-ionic
λ |
```

It says not a git repository, so we need to initialize a git repository.

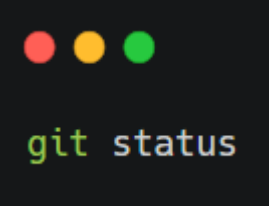


```
C:\Users\Alamgir\Desktop\experiments\alamgir-ionic
λ git status
fatal: not a git repository (or any of the parent directories): .git

C:\Users\Alamgir\Desktop\experiments\alamgir-ionic
λ git init
Initialized empty Git repository in C:/Users/Alamgir/Desktop/experiments/alamgir-ionic/.git/
```

Now it has been initialized

Lets do again



```
git status
```

C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ git status
On branch master

No commits yet

Untracked files:
(use "git add <file>..." to include in what will be committed)

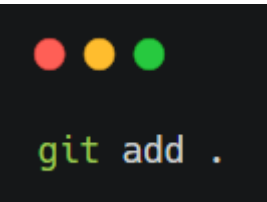
- .gitignore
- angular.json
- browserslist
- e2e/
- ionic.config.json
- ionic.starter.json
- karma.conf.js
- package.json
- readme.md
- screenshot.PNG
- src/
- tsconfig.app.json
- tsconfig.json
- tsconfig.spec.json
- tslint.json
- yarn.lock

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ |

Its telling us all these folders and files are untracked, so we need to track them using Git.

So we do



```
git add .
```

```
C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)

    new file:   .gitignore
    new file:   angular.json
    new file:   browserslist
    new file:   e2e/protractor.conf.js
    new file:   e2e/src/app.e2e-spec.ts
    new file:   e2e/src/app.po.ts
    new file:   e2e/tsconfig.json
    new file:   ionic.config.json
    new file:   ionic.starter.json
    new file:   karma.conf.js
    new file:   package.json
    new file:   readme.md
    new file:   screenshot.PNG
    new file:   src/app/app-routing.module.ts
    new file:   src/app/app.component.html
    new file:   src/app/app.component.scss
    new file:   src/app/app.component.spec.ts
    new file:   src/app/app.component.ts
    new file:   src/app/app.module.ts
    new file:   src/app/home/home.module.ts
    new file:   src/app/home/home.page.html
    new file:   src/app/home/home.page.scss
    new file:   src/app/home/home.page.spec.ts
    new file:   src/app/home/home.page.ts
    new file:   src/assets/icon/favicon.png
    new file:   src/assets/shapes.svg
    new file:   src/environments/environment.prod.ts
    new file:   src/environments/environment.ts
    new file:   src/global.scss
    new file:   src/index.html
    new file:   src/main.ts
    new file:   src/polyfills.ts
    new file:   src/test.ts
    new file:   src/theme/variables.scss
    new file:   src/zone-flags.ts
    new file:   tsconfig.app.json
    new file:   tsconfig.json
    new file:   tsconfig.spec.json
    new file:   tslint.json
    new file:   yarn.lock

C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ
```

Now all our files have been tracked, but we need to **commit** them.

So,

A terminal window with a dark background and three colored window control buttons (red, yellow, green) in the top left corner. The text `git commit -m "set up project"` is displayed in a light green monospace font.

`-m` is short for message

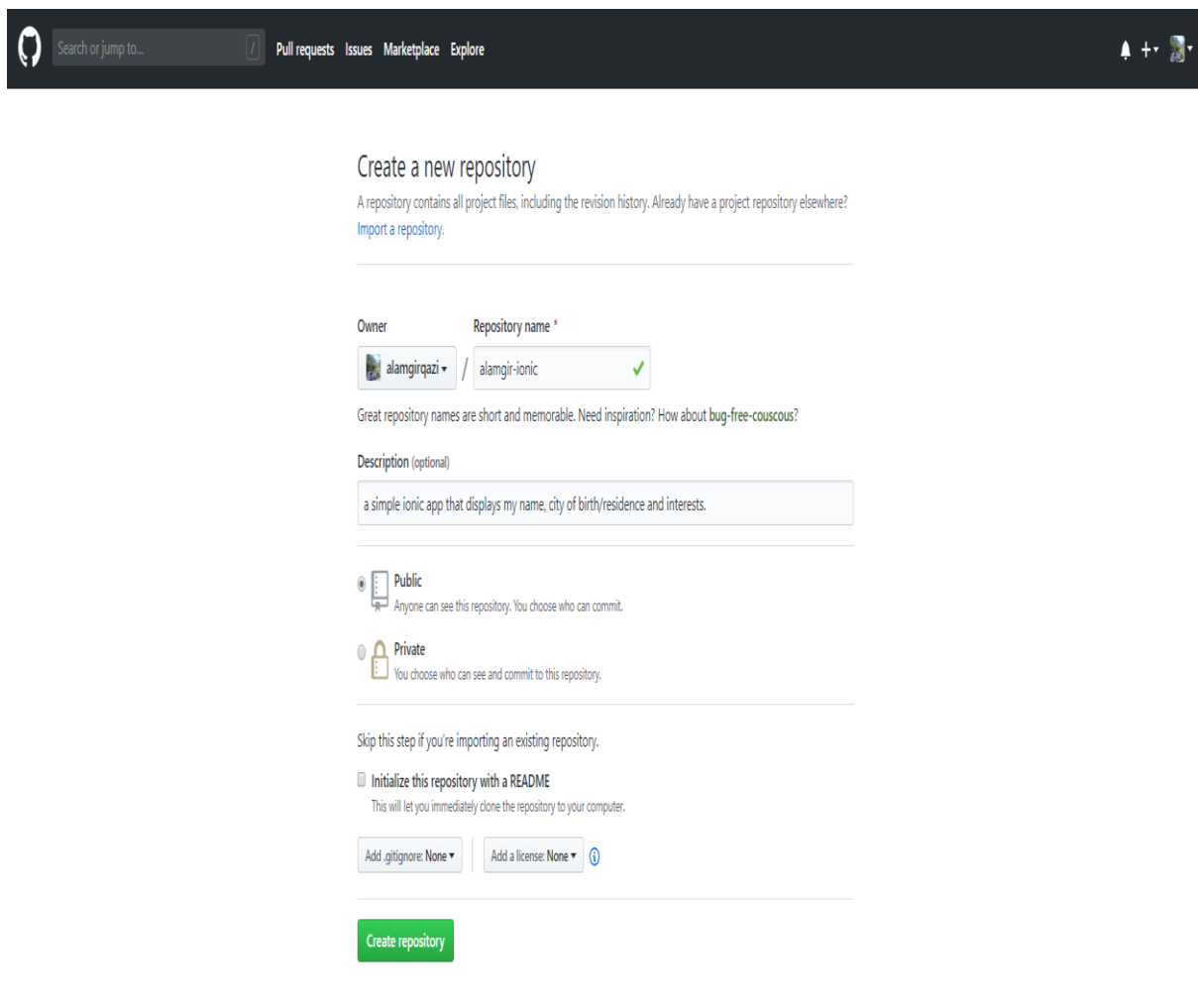
Lets do git status again

A terminal window with a dark background and three colored window control buttons (red, yellow, green) in the top left corner. The text `git status` is displayed in a light green monospace font.A terminal window with a dark background and three colored window control buttons (red, yellow, green) in the top left corner. The text shows the output of the `git status` command: `C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)`, `λ git status`, `On branch master`, and `nothing to commit, working tree clean`. Below this, the prompt `C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)` and `λ |` are visible.

This means we're all set.

Lets go and create a repository on **github.com**


Step 7



Search or jump to... Pull requests Issues Marketplace Explore

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner:  alamgirqazi / Repository name:

Great repository names are short and memorable. Need inspiration? How about [bug-free-couscous](#)?

Description (optional):

☒ Public
Anyone can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

☐ Initialize this repository with a README
This will let you immediately clone the repository to your computer.

Add .gitignore: Add a license:

[Create repository](#)

Create repository

Now we need to upload/push local project to github.

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

Quick setup — if you've done this kind of thing before

Set up in Desktop or HTTPS SSH `https://github.com/alamgirqazi/alamgir-ionic.git`

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# alamgir-ionic" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/alamgirqazi/alamgir-ionic.git
git push -u origin master
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/alamgirqazi/alamgir-ionic.git
git push -u origin master
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

Import code

💡 ProTip! Use the URL for this page when adding GitHub as a remote.

Run these two commands one by one

```
git remote add origin https://github.com/alamgirqazi/alamgir-ionic.git
```

```
git push -u origin master
```

Once this is done

```
C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ git status
On branch master
nothing to commit, working tree clean

C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ git remote add origin https://github.com/alamgirqazi/alamgir-ionic.git

C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ git push -u origin master
Enumerating objects: 51, done.
Counting objects: 100% (51/51), done.
Delta compression using up to 8 threads
Compressing objects: 100% (47/47), done.
Writing objects: 100% (51/51), 139.12 KiB | 5.15 MiB/s, done.
Total 51 (delta 0), reused 0 (delta 0)
To https://github.com/alamgirqazi/alamgir-ionic.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

C:\Users\Alamgir\Desktop\experiments\alamgir-ionic (master -> origin)
λ |
```

Boom! Its all done. Lets refresh the github page.

We can see all our code, our commit message. All files. We can also see the screenshot we added

alamgirqazi / alamgir-ionic

Unwatch

1

Star

0

Fork

0

<> Code

Issues 0

Pull requests 0

Projects 0

Wiki

Security

Insights

Settings

a simple ionic app that displays my name, city of birth/residence and interests.

Edit

Manage topics

1 commit

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find File

Clone or download

alamgirqazi set up project

Latest commit 383a43a 6 minutes ago

e2e	set up project	6 minutes ago
src	set up project	6 minutes ago
.gitignore	set up project	6 minutes ago
angular.json	set up project	6 minutes ago
browserslist	set up project	6 minutes ago
ionic.config.json	set up project	6 minutes ago
ionic.starter.json	set up project	6 minutes ago
karma.conf.js	set up project	6 minutes ago
package.json	set up project	6 minutes ago
readme.md	set up project	6 minutes ago
screenshot.PNG	set up project	6 minutes ago
tsconfig.app.json	set up project	6 minutes ago
tsconfig.json	set up project	6 minutes ago
tsconfig.spec.json	set up project	6 minutes ago
tslint.json	set up project	6 minutes ago
yarn.lock	set up project	6 minutes ago

readme.md

This is a simple Ionic Application which displays my name, city of residence/birth and my interests on the home page.

Galaxy S5

360

x

640

45%

Online

Alamgir

Name: Alamgir

City: Rawalpindi

Interests: Football,Books,Tv
Serials

Link to code is here <https://github.com/alamgirqazi/alamgir-ionic>. You can go through the code in the steps. I hope these steps will be easy to follow. If you get stuck anywhere, email me at alamgirmunirqazi@gmail.com. Attach a screenshot with some detail of your problem so I'm able to help you.

Good Luck!