

## Extra Tasks (1)

### Create an Angular app and deploy it on the web using Netlify.

In this task, you will learn how to deploy an angular front-end application to the web to some url e.g abc.netlify.com. It won't take more than 20 minutes and you will learn alot. There are a total of three stages.

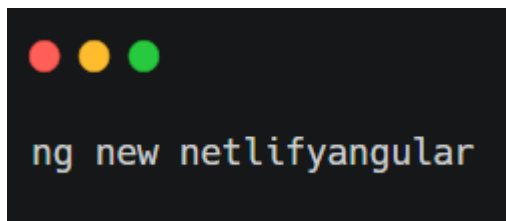
- 1) Create Angular Project.
- 2) Upload to Github.
- 3) Link to Netlify.

That's it.

So Lets start,

#### Step 1: Create an Angular Application.

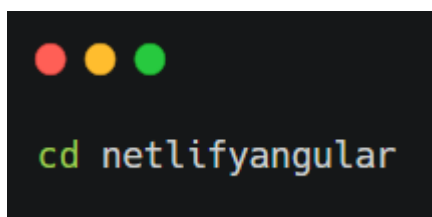
make sure you have angular installed already.

A terminal window with a dark background and three colored window control buttons (red, yellow, green) in the top left corner. The text 'ng new netlifyangular' is displayed in a light blue monospace font.

Routing -> Y

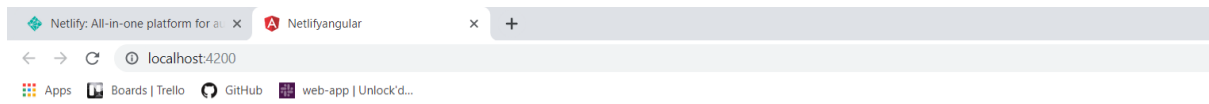
Style -> pick any. CSS will work.

Once complete,

A terminal window with a dark background and three colored window control buttons (red, yellow, green) in the top left corner. The text 'cd netlifyangular' is displayed in a light blue monospace font.



This will open your angular app at localhost:4200



**Welcome to netlifyangular!**



Here are some links to help you start:

- [Tour of Heroes](#)
- [CLI Documentation](#)
- [Angular blog](#)

All good, Lets open up code and make some changes.

This is upto you. Make whatever changes you want.

## Step 2: Upload to Github

You already know how this is done but we'll go through it again.



```
git add .
```

```
git commit -m "set up angular app"
```


All done. Now lets go to Github.com and create a repository

## Create a new repository

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

Owner



Repository name \*

 alamgirqazi / netlifyangularexample ✓

Great repository names are short and memorable. Need inspiration? How about **potential-spork**?

Description (optional)

an angular application which will be deployed to netlify.

- ☒  **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: **None** | Add a license: **None** ⓘ

Create repository

Now copying these two commands one by one

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

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

```
git remote add origin https://github.com/alamgirqazi/netlifyangularexample.git
```

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

Now its uploaded to Github.

Refresh and our repository is up

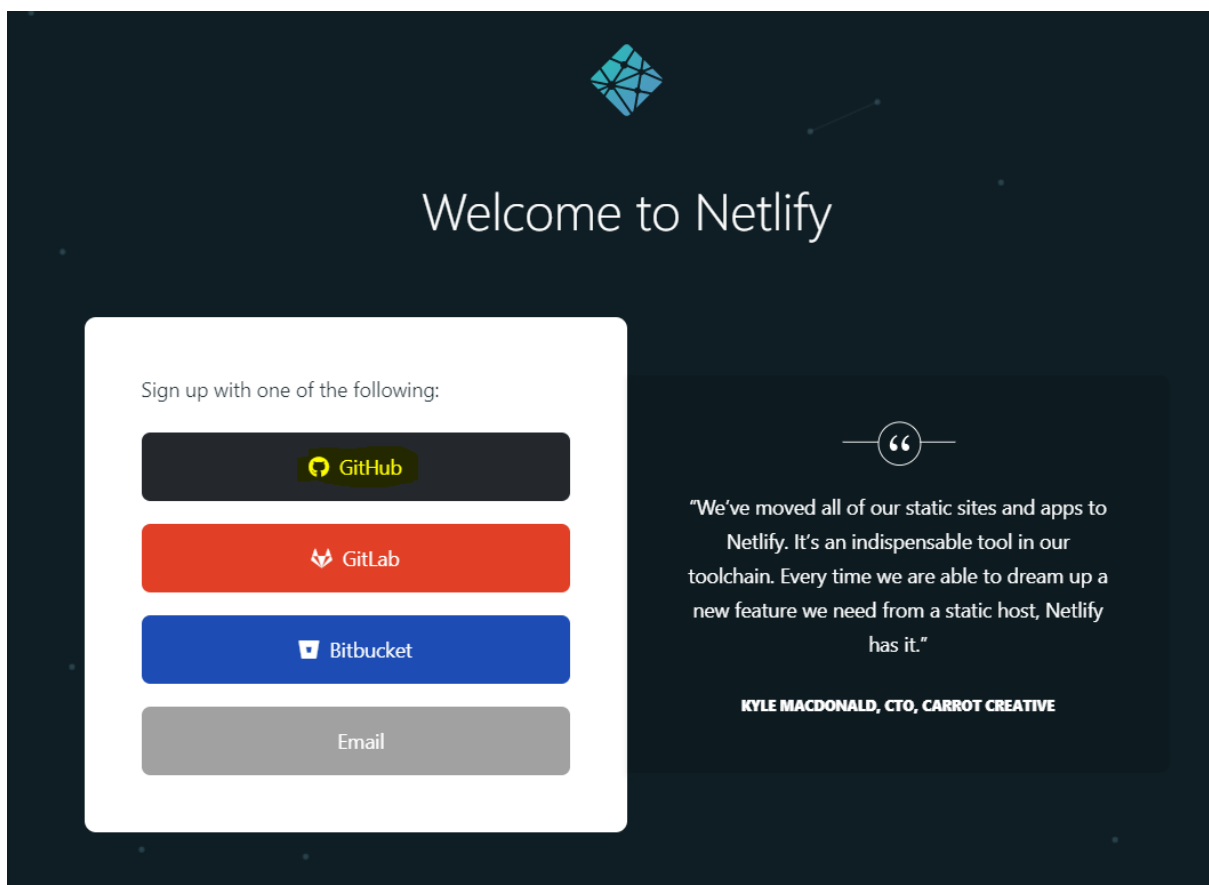
The screenshot shows the GitHub interface for the repository 'alamgirqazi/netlifyangularexample'. At the top, there are navigation links: 'Code', 'Issues' (0), 'Pull requests' (0), 'Projects' (0), 'Wiki', 'Security', 'Insights', and 'Settings'. Below these, a description reads 'an angular application which will be deployed to netlify.' with an 'Edit' button. A progress bar indicates '2 commits', '1 branch', '0 releases', and '1 contributor'. Below the progress bar, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find File', and 'Clone or download'. The main content area shows a list of files and their commit history:

File	Commit	Time
e2e	initial commit	13 minutes ago
src	set up angular app	5 minutes ago
.editorconfig	initial commit	13 minutes ago
.gitignore	initial commit	13 minutes ago
README.md	initial commit	13 minutes ago
angular.json	initial commit	13 minutes ago
browserslist	initial commit	13 minutes ago
karma.conf.js	initial commit	13 minutes ago
package-lock.json	initial commit	13 minutes ago

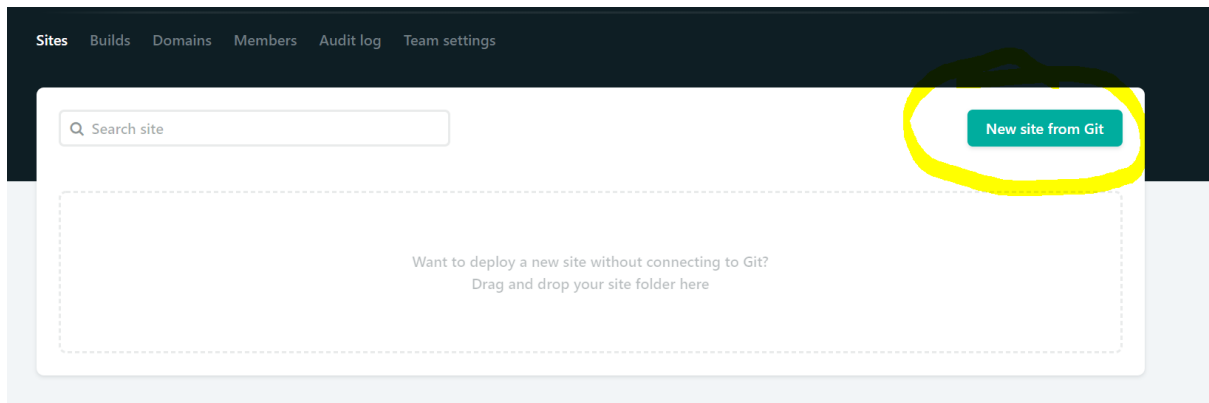
### Step 3: Deploy to netlify.com

Netlify makes it super easy to deploy static websites. Angular helps us make static websites. For your FYP, you will probably need to host your front-end somewhere if you build a web project. Netlify is my preferred choice.

Lets head over to Netlify and signup using your github account.



It's upto you.



click on New site from Git.

## Create a new site

From zero to hero, three easy steps to get your site on Netlify.

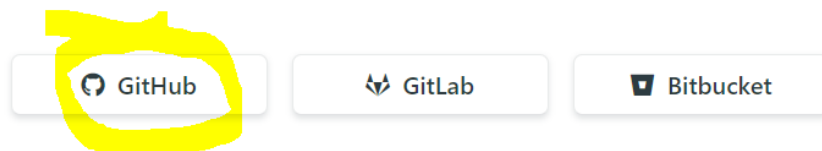
1. Connect to Git provider

2. Pick a repository

3. Build options, and deploy!

## Continuous Deployment

Choose the Git provider where your site's source code is hosted. When you push to Git, we run your build tool of choice on our servers and deploy the result.



( GitLab and BitBucket are similar to Github )

## Create a new site

From zero to hero, three easy steps to get your site on Netlify.


1. Connect to Git provider

2. Pick a repository

3. Build options, and deploy!

### Continuous Deployment: GitHub App

Choose the repository you want to link to your site on Netlify. When you push to Git, we run your build tool of choice on our servers and deploy the result.

 alamgirqazi ▾

Q net

 alamgirqazi/netlifyangularexample



Can't see your repo here? [Configure the Netlify app on GitHub.](#)

There, I see my Github repository

Get more control over how Netlify builds and deploys your site with these settings.

Branch to deploy

master



### Basic build settings

If you're using a static site generator or build tool, we'll need these settings to build your site.

Build command

ng build --prod

The build command to run before deploying. Examples:

jeekyll build

gulp build

make all

Publish directory

dist/netlifyangular

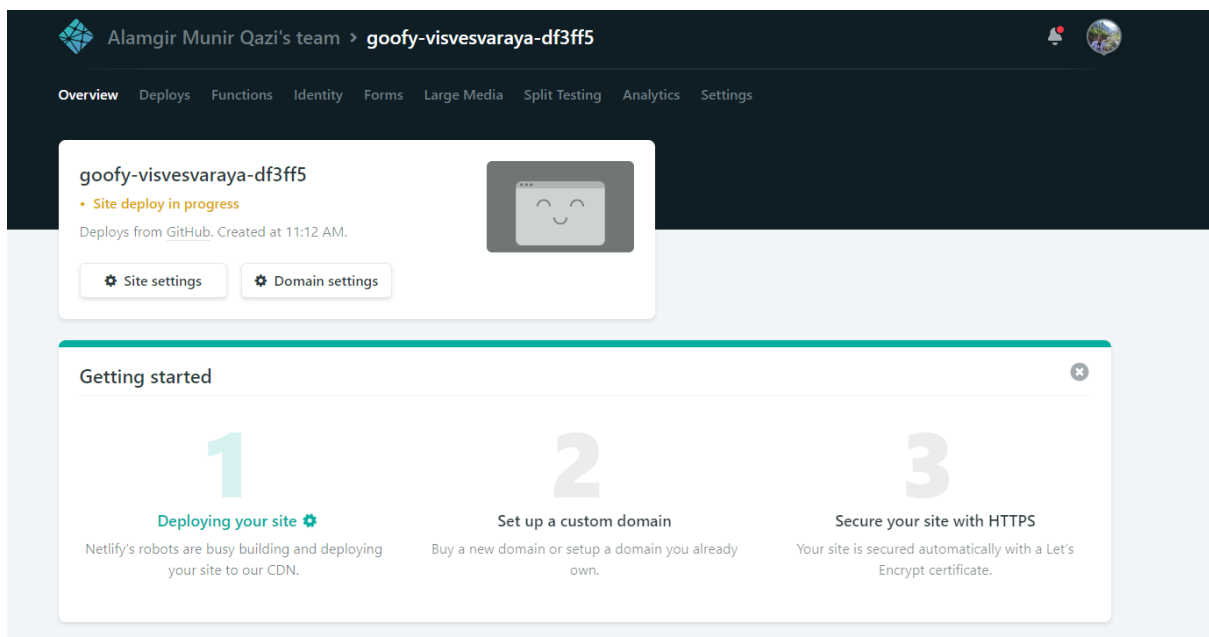
Show advanced

Deploy site

Write the two commands as it is. "dist/netlifyangular" should be the same name as your project name in package.json

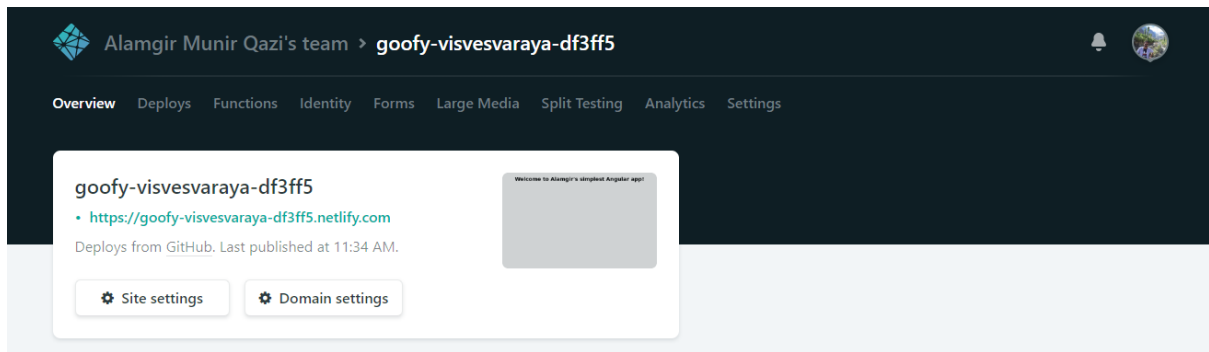
```
package.json > {} devDependencies
You, 5 hours ago | 1 author (You)
1  {
2    "name": "netlifyangular",
3    "version": "0.0.0",
4    "scripts": {
5      "ng": "ng",
6      "start": "ng serve",
7      "build": "ng build",
8      "test": "ng test",
9      "lint": "ng lint",
10     "e2e": "ng e2e"
11   },
```

Once you click Deploy site, you will see this



Wait a few minutes until your build is complete. Once complete, you will see this



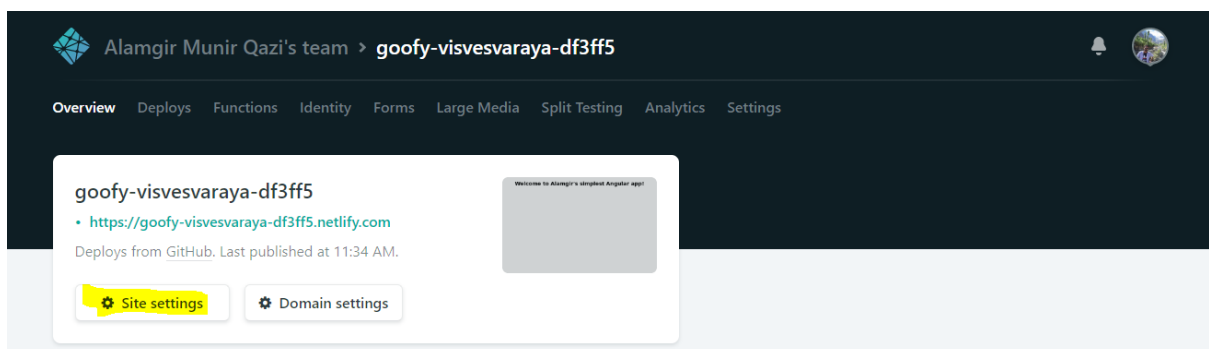


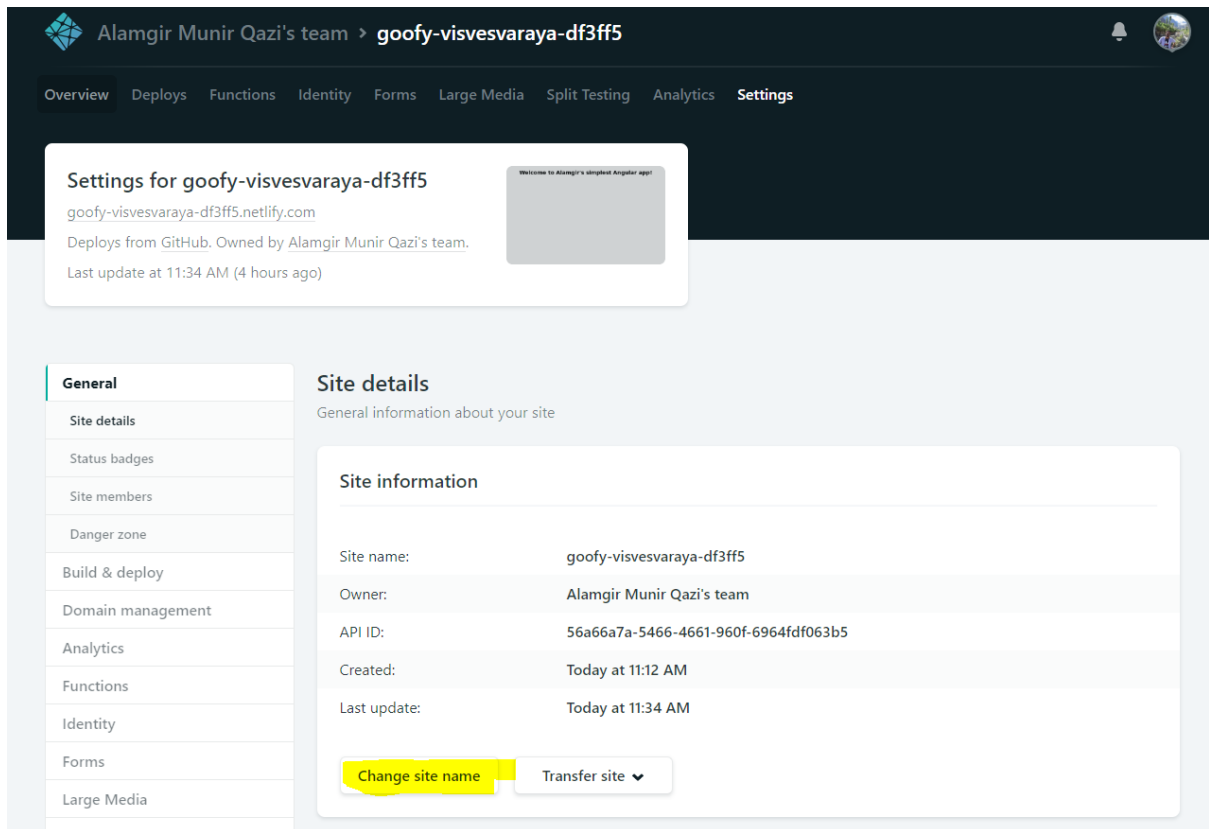
Opening up (<https://goofy-visvesvaraya-df3ff5.netlify.com/>) will open up your angular application. You also see a nice preview on the right.

but [goofy-visvesvaraya-df3ff5](https://goofy-visvesvaraya-df3ff5.netlify.com/) is a hard name. We can change that. We could also use something like alamgirqazi.com if we had that domain but we don't we will use some name .netlify.com. It will be a subdomain.

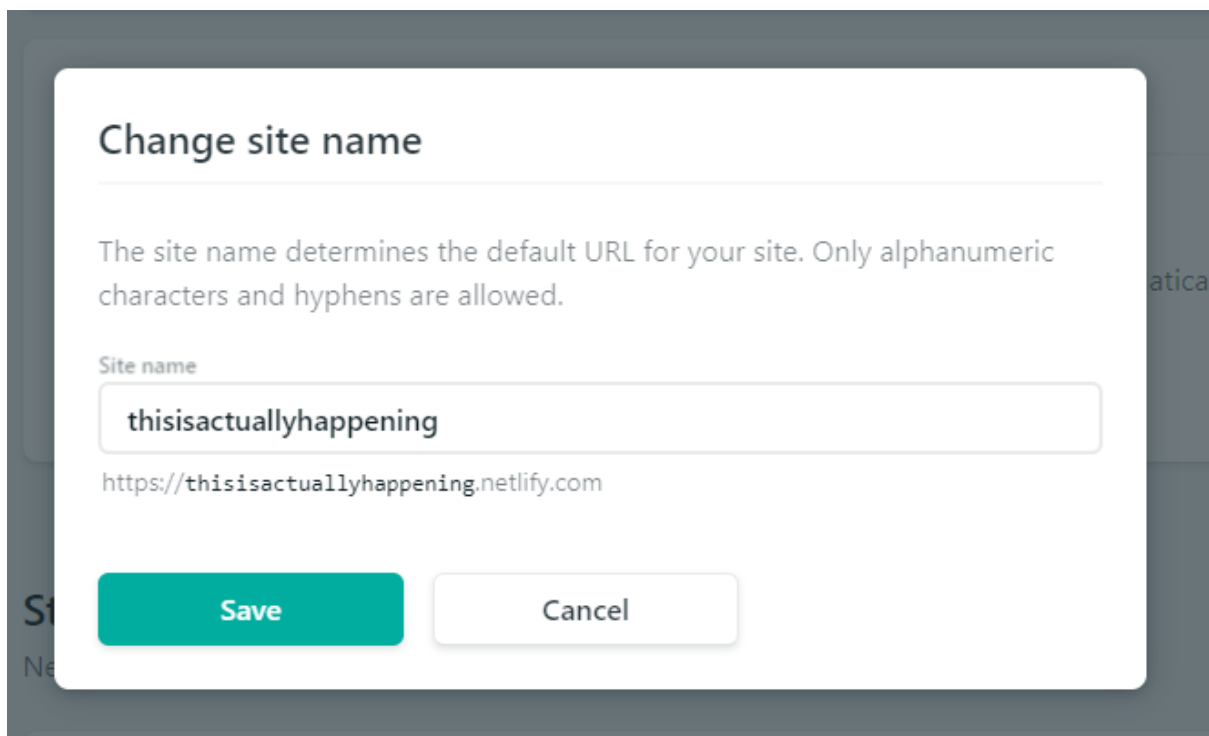
So lets change the name

Click on Site Settings





I changed it to [thisisactuallyhappening.netlify.com](https://thisisactuallyhappening.netlify.com). now same app will run on (<https://thisisactuallyhappening.netlify.com>). How cool is that. It didnt took any time.



So, we learned how to deploy an Angular application to the web. First we uploaded the code to Github and then we just linked it to Netlify. It really was that simple. Same way, you can upload any static files, html files, React.js / Vue.js projects and upload and deploy for FREE using Netlify. Now whenever you update your repository, Netlify will automatically update your URL.

You can also setup your own website and deploy on Netlify. Use `yourname.netlify.com` and it can be your portfolio link.

If you complete this task, email me the github repository URL and netlify URL and I will add 3 marks to your Quiz. If you surprise me somehow ( a good looking or unique or different angular app unlike mine), I could give 4 marks.

If you have any troubles with this task, you can email me any time at [alamgirmunirqazi@gmail.com](mailto:alamgirmunirqazi@gmail.com).

## **Alternatives to Netlify**

Surge.sh, Now.sh, Firebase Hosting.