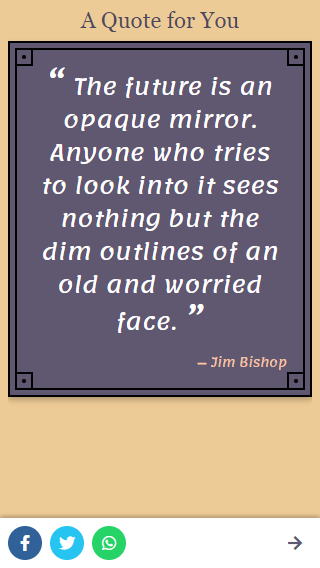
A quote for you

# Introduction

What first pops into my mind to build a random quote generator application, is that it should be classy and simple. This would mean a clear heading, a large quote block and some social and other actions at the bottom. Also, we want to base the design and usability on mobile-first.



# Setup

## Prerequisite

To be able to run the app locally, you need to install [*NodeJS*](https://nodejs.org/). For this application, I used *NodeJS version 12.13.1* and *Node Package Manager version 6.13.7*.

## URLs

|  |  |
| --- | --- |
| Demo | <https://quoteforyou.netlify.com/> |
| GitHub | <https://github.com/jnieberg/a-quote-for-you> |

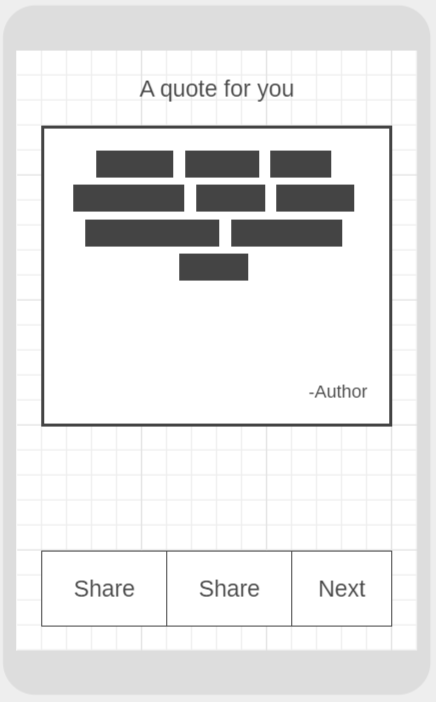
## NPM Commands

After cloning the app from the GitHub repository, you can use one of the following commands:

|  |  |
| --- | --- |
| npm install | Install the app |
| npm run start | Start the app |
| npm run test | Start unit test |
| npm run e2e | Start automatic test |
| npm run build | Build for production purposes |

## Wireframe

I decided to go with the following wireframe. It contains a simple heading, a quote and author block, 2 social buttons and a button to refresh the quote.



### Heading

A simple heading “A quote for you”.

### Quote block

The quote block contains the quote and an author. Clicking on the author will show a random quote from the specific author. Swiping the block to the left will show the next random quote.

### Share block

I decided to add three share buttons: *Facebook*, *Twitter* and *WhatsApp*. There is also a *Next* button to show a new quote.

## Theme

### Colours

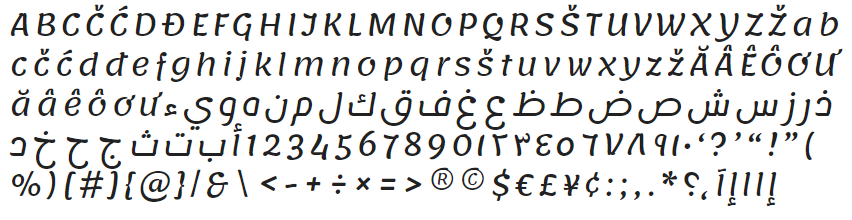
The theme of the application should be classy and warm, so I will use warm colours. I found a [colour scheme generator](https://coolors.co/edcb96-f7c4a5-9e7682-605770-4d4861), that gave me the following pattern:



### Font

I want to use a stylish font for the quote block. I decided to use the Google font [*Lemonada*](https://fonts.google.com/specimen/Lemonada). For the other text I decided to go for the system font *Segoe UI*. For the share icons I also added a [*Font Awesome*](https://fontawesome.com/) icon font library

#### Lemonada



### Images

I also wanted to make the quote panel look like something you hang on your wall at home, so I found a good *SVG* border for it.



## Language, framework, modules, etcetera

### Initialization

I will use Angular 8 for this application. I have set up the framework with the use of Angular CLI and used a router, just in case I need one.

### Language

To assure code quality, TypeScript will be a good set to work with.

### Styling

I decided to choose Stylus as a pre-processor for CSS. This is because the linting and automatic sorting extensions available in Visual Studio Code are very useful for this pre-processor.

### Testing

Standard *Jasmine* unit testing tool, and *Protractor* for an automatic test. Because API services can not be 100% reliable, I use mock (fake) API test data.

### Swipe

To be able to swipe the quote block to the left, I used the *HammerJS* module.

### Quote API server

The server I use for providing me the quotes, is the one from [Luke Peavey](https://github.com/lukePeavey/quotable). This database includes more than 1500 quotes by 800 authors.

# Progress

## Files

### Components

I decided to work with the following components:

* **Quote component.** Main area for the quotes.
* **Footer component.** Area for the social share buttons.
* **Quote service.** Used for calling quote API.

#### Quote component

The quote component is the area with a quote block, and it includes the footer component. When the quote is loading, the message *“loading quote...”* will pop up. When an error is occurring (for example, the REST API server is down), an error message will pop up.

#### Footer component

The footer component is mainly used to display social share icons, but there is also a “new quote” arrow icon. Clicking on one of the share icons will pop up a new screen interface from respectfully *Facebook*, *Twitter* or *WhatsApp*, where the user can share the current quote, plus author, plus a link to the demo site.

#### Quote service

The quote service will call the REST API server and with the returned response, it will filter the needed data.

### Configuration file

All configurable text, API endpoint data, link URLs and mock data is centralized into one configuration file. This makes is easier to apply changes to string blocks without searching through all the files.