

WELCOME TO BOOTCAMP

INTRODUCTION

Who are we?

INSTRUCTOR

Email: bj@grandcircus.co | Slack: bjclark

TA

Email: chris@grandcircus.co | Slack: Christopher
Watts

TA

Email: roger@grandcircus.co | Slack: Roger Winright

GENERAL THEMES

The following are some themes of how we do work at Grand Circus. If we can embrace these, we'll all be successful!

STARTING TODAY, WE'RE ALL INVENTORS

Not "just students".

We all learn every day.

We are working with a blank canvas every day, and
will build amazing things.

Look for real-world problems you want to solve.

CODE IS COMMUNICATION

We communicate with

1. People
2. Computers

- It's easy to write syntactically correct code that is very difficult for a human to read.
- Strive for clarity, mean what you say

PROGRAMMING IS MUSCLE- MEMORY

Practice, practice, practice.

Videos and tutorials are great, but the best way to learn to write code is to actually write code.

START SMALL CONTINUOUSLY IMPROVE

Minimum Viable Product (MVP)

Goes for labs, assessments, and the real world

BUILD ON YOUR STRENGTHS, LEAN IN TO YOUR WEAKNESSES

Front end is two mindsets: design and functionality

Some of us will grasp one easier than the other

LEARNING IS A TEAM SPORT

- Ask questions
- Meet up with other team members
- Utilize your instructor and TAs

THE PLAN

- Git, HTML/CSS, Media Queries
- JavaScript, Testing
- the DOM, Git, Project
- TypeScript, Angular
- Angular, API's
- Project, Node.js, Express
- SQL, PG, Data Structures and Algorithms
- Git, Mock Behavioral/Technical Interviews, Finishing Up Content, Final Projects
- Final Projects and Graduation



THE PLAN

Each week contains lectures focused around a weekly topic.

There are practical exercises every day.

PRACTICAL WORK

Two categories divide the practical work.

- Exercises are short & focused on practicing a specific topic or technique.
- Labs are broader in scope and incorporate more of the material.

Labs are expected to be turned in, on time, regardless of their completion.

SOFT SKILLS

Soft skills are an essential part of being successful in engineering.

YOUR NEW JOB

YOUR NEW JOB

You are expected to be in your seat on time, ready to start.

Try to do a coffee break, restroom break, or various other settling-in activities before or after class.

YOUR NEW JOB

Grand Circus heavily enforces timeliness.

If someone does not complete/turn in his or her labs, projects, and soft skills material by the deadline, they do not receive any credit or feedback.

Labs are due before class the following day unless otherwise noted.

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YOUR NEW JOB

It is uncomfortable not knowing how to solve problems.

YOUR NEW JOB

Developers are problem solvers.

Developers solve problems by writing code.

If a developer comes across something they are not sure about, they research until they find a working solution.

STUMPED ON QUESTIONS?

1. Google, StackOverflow, or even Github
2. Ask a classmate

Still stumped? Ask an instructor or TA

YOUR NEW JOB

Don't waste hours trying to fix a bug without any progress.

If you are genuinely stuck, ask a classmate, TA, or instructor for help.

YOUR NEW JOB

Learning how to work through errors and problems is an *essential* skill.

Grand Circus is going to pull back from helping in specific ways as the course progresses.

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SLACK

Slack is a vital tool for us, to communicate with students.

COMMUNICATION

When you need to communicate with us you can do it through Slack or email.

If you choose Slack, make sure the message recipients are your instructor(s) and any TA, not just one of them.

If you choose to email, please email the instructor(s) and TA.

ASSESSMENTS

Assessments are our way to check in with all of you.

There are four assessments in total.

Each assessment is an hour-long code challenge.

PROJECTS

Throughout the class, students have three major group projects.

The first is a JavaScript project.

The second is an Angular project.

The third is a two-week group project that you all present during Demo Day.

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SETUP

1. Installations
2. Text Editor
3. Project Directories

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GET CONNECTED

Network Name: Madison

Password: Bro@dw@y#

CHECKLIST

- Google Chrome
- Text Editor
- Slack
- GitHub / git

INSTALLATIONS

Everything we must install for the class:

- Node.js
- PostgreSQL
- Postman
- Angular CLI

NODE.JS

Head over and download [Node.js](#).

Click the installer for the operating system of choice, download and install the program.

Close all Terminal window(s), re-launch Terminal, run the following commands to verify the installation:

```
node -v  
npm -v
```

POSTGRESQL

Download PostgreSQL.

Select any version over 9.4, the operating system of choice, and click Download Now.

POSTMAN

Download **Postman**.

Run the installer.

Once it has finished, close it out.

TEXT EDITOR

The text editor used during class is Visual Studio Code.

Download [VSCode](#).

Run the installer.

All default options are perfectly fine.

TEXT EDITOR

VSCode offers a handful of useful extensions.

The list of extensions used in class are:

1. Live Server
2. Prettier - Code formatter
3. VS Live Share
4. Auto Rename Tag
5. Code Spell Checker