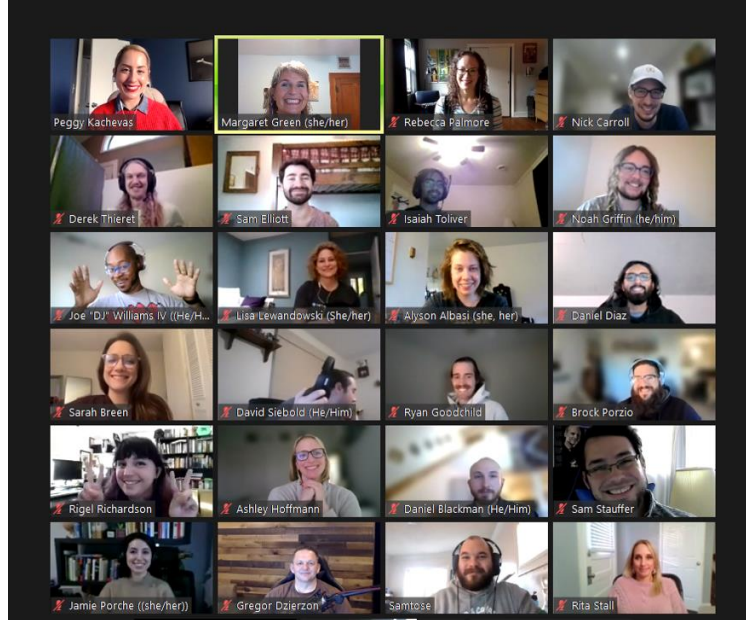# Welcome to Java Green

During Lecture

- Video on
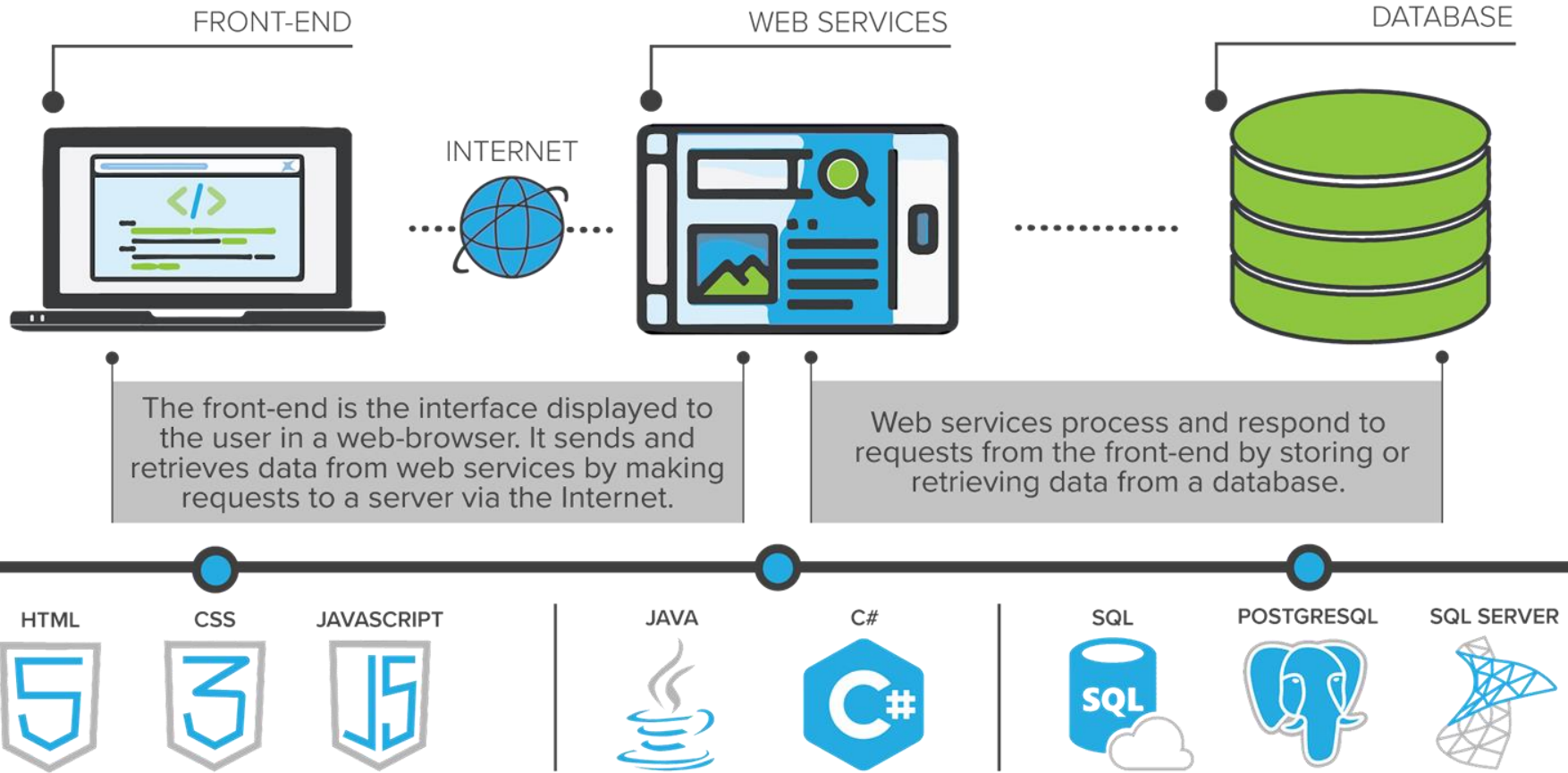- Display name set to First and Last name

Have a Question?

- Interrupt and ask
- Ask in Chat
- Message the instructor/Academic Fellow not lecturing

Objectives

1. Program Overview
2. Daily Workflow
3. Expectations
4. Exercises and Scores
5. What to do when stuck

WHAT WE TEACH

FRONT-END WEB SERVICES DATABASE

INTERNET

The front-end is the interface displayed to the user in a web-browser. It sends and retrieves data from web services by making requests to a server via the Internet.

Web services process and respond to requests from the front-end by storing or retrieving data from a database.

HTML CSS JAVASCRIPT JAVA C# SQL POSTGRESQL SQL SERVER

Program Overview

WEEKS 1-4
programming fundamentals

- Learn object-oriented programming to compose larger programs together in Java

- Work with development tools like Eclipse, and Git

WEEKS 5-8
databases and APIs

- Store and retrieve data using the Postgres relational databases

- Consume and share data from our applications over the Internet using APIs
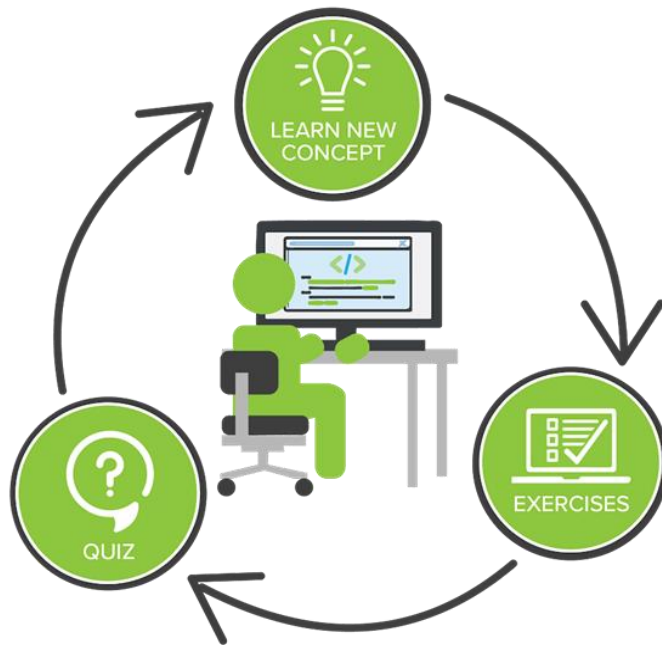
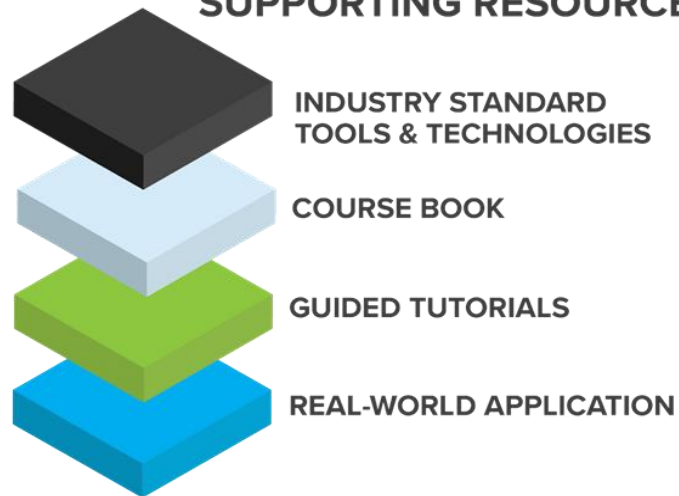## WEEKS 9-12
front-end programming

- Develop web application interfaces using HTML, CSS, and JavaScript

- Learn how create web components using the Vue.JS JavaScript framework

HOW WE TEACH

DAILY CADENCE

LEARN NEW CONCEPT

EXERCISES

QUIZ

SUPPORTING RESOURCES

INDUSTRY STANDARD TOOLS & TECHNOLOGIES

COURSE BOOK

GUIDED TUTORIALS

REAL-WORLD APPLICATION

Syllabus

Command-line programs - Blue, Green, & Purple classes
Monday, July 11 · 9:00am – 12:00pm

Take meeting notes
Start a new document to capture notes

Objectives:

- Writing applications that use user input via stdin to do something practical
- Parsing user input from strings into another data type (e.g. int, double, bool, etc.)

Exercises 👇👆

NLR - July Campus Calendar
Created by: Daniel Commins

Kept in the NLR October Campus Calendar.

Each days entry has details, extra links, and other information about the day in the Calendar Entry details.

Each day indicates whether there are individual and/or pair exercises.

Daily Workflow

1. Before each lecture
   a. Complete the Reading and Tutorial in Bootcamp OS
   b. Complete the Quiz (**Required**)
2. Lecture
   a. Starts at 9am. Be on time with video on.
   b. Ends when we complete that days objectives
3. After Lecture
   a. Exercises
   b. Pathway

Expectations

1. Treat this like a job
   a. Communicate if you are going to miss a deadline
   b. **Communicate if you are going to be late, absent, or need to leave lecture early**
2. Availability
   a. Must be available 9-5 and answer slack messages within 15-20 minutes
   b. Additional time on evenings and weekends will be required to complete the work
   c. Most students spend 60-80 hours per week
3. Keep up-to-date with scores and feedback in Bootcamp OS

Exercises and Scores

- Required to complete the program
- ***Must end each module with a minimum of a average score of 2***
- If you end a module below a 2 average then you will automatically be put on academic probation. If you fail to complete the terms of the academic probation or end a second module below a 2 average, you will be withdrawn from the program.

"Grading"

3.0 100%-90%

2.0 89% - 50%

1.0 49% - 25%

0.0 24% - 0%
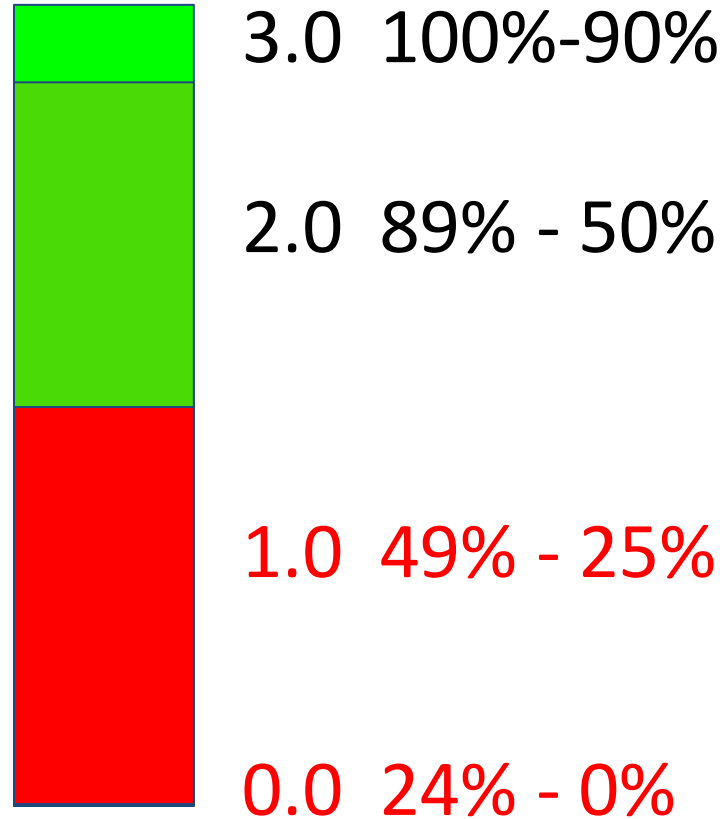
Build errors are an automatic 0.

DUE DATES

EXERCISES GIVEN...	ARE DUE...
Monday	Wednesday 9 AM
Tuesday	Thursday 9 AM
Wednesday	Friday 9 AM
Thursday	Monday 9 AM
Friday	Tuesday 9 AM

**Exercises not submitted in Learn by the deadline receive a "0".
Once the exercise is late, the highest score you can receive is a "2".**

Turning in enough to score a 1 on time is ALWAYS better than turning in nothing.

Academic Integrity

It is OK to collaborate with others, but *always turn in your own code and make sure you understand it.*

Your code will be reviewed, and if we suspect that you have turned in code written by others, ***we reserve the right to have you explain the code to us.*** If you can not you will be required to redo the exercise and it will be treated as late.

If you have a copy of the exercises or projects you found on the internet or got from an Alumni…

Nobody outside of Tech Elevator will see your score, but *you will have to prove to employers you can code to get a job*!

You will get through the program, but struggle to get or keep a job.

What to do when you are stuck

1. Reading and Tutorials in Bootcamp OS
2. Study group - it is OK to collaborate, but you must understand the final code.
   a. All other classes are learning the same material.
3. Take-a-turn.org
4. **Slack - post in the nlr-11-homework-help class channel**
5. Online resources
6. Ask an Instructor for help
   a. Don't be afraid to reach out to instructors from other classes - any available member of the instructional staff can help you!
      i. Andy, Daniel, Eric, Rachelle, Margaret

Study Groups

- Take place in this zoom -- https://techelevator.zoom.us/j/98334358083

- Your instructor has grouped you together – find your breakout room associated with your study group team number.

- There are extra rooms for you to "spread" out

Take-a-turn

- A queueing system where you can log your request for someone from the staff to help you
- Do not create a Login – it is not secure (passwords are not hidden)
- Be as specific as possible in the Other area (max of 50 characters)

Take-A-Turn V 2.10   About   Request Help   Status ▾   Login

Home Page - Request Help

Name

Location

Reason

Notes / Other

Name

Minnie Mouse

Location

NLR 11

Reason

C#
CSS
git
HTML
Java
JavaScript
MVC .NET
Other
Pathway
Postgres
Spring MVC
SQL Server
vue.js

Take-a-turn

- Once request is logged, you can see how many are in the queue
- Also see how many instructional staff members are available (resources)
- Staff is typically available during regular hours in Take a Turn

nlr-11-homework-help channel

- Post your problem in the homework help channel (this is especially helpful after business hours)
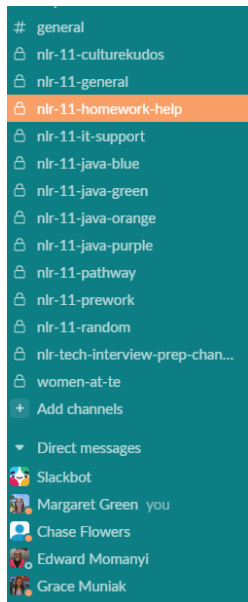
Effectively asking for help on Slack

Saying "I can't make this work, how do I fix it?" doesn't give enough information to solve your problem.

Provide Details:

1. Description of the problem
2. What is happening
3. How is it working differently than you expected
4. Error message
5. Test case results

Brian Lauvray (he/him) 4:14 PM
This isn't working? Why not?

Brian Lauvray (he/him) 4:15 PM

I am trying to fill the sink with water, but it is not working. Why?

Brian Lauvray (he/him) 4:16 PM

I am trying to fill the sink with water. The water is running and the drain stopper is in place, but it won't fill with water. What can I try?

Brian Lauvray (he/him) 4:16 PM

I am trying to fill the sink with water. The water is running and the drain stopper is in place, but it won't fill with water. What can I try?

image.png ▾