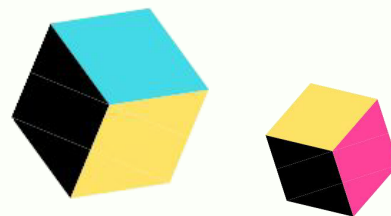


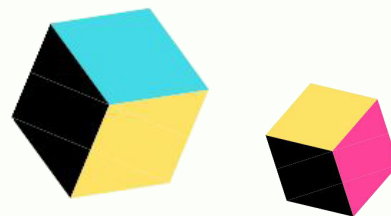
# Workshop Schedule

- 9:00 – 9:10 Warm Up
- 9:10 – 9:30 Vue JS/Nuxt
- 9:30 – 10:30 Testing Session
- 10:30 – 11:00 Break/Free Time
- 11:00 – 12:00 WebApp Demo/VS Code
- 12:00 – 12:50 Database Demo/GitHub Practice
- 12:50 – 1:00 Concluding Remarks



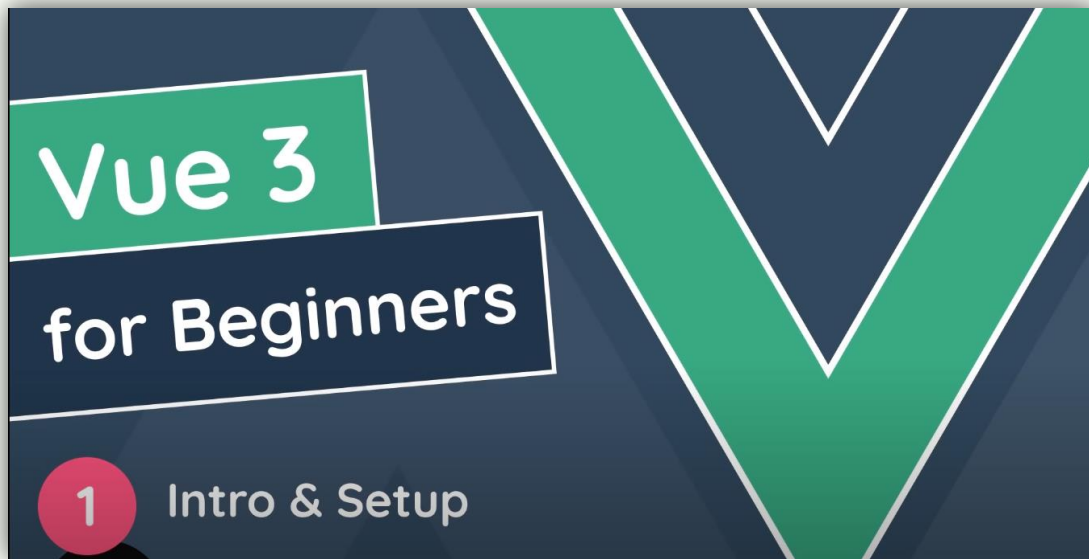
# Week at a Glance

- Web Application Development
- Project Management
- Frontend Overview (HTML, CSS, JavaScript, Vue.js)
- Backend Overview (JavaScript, TypeScript, GitHub, NestJS)



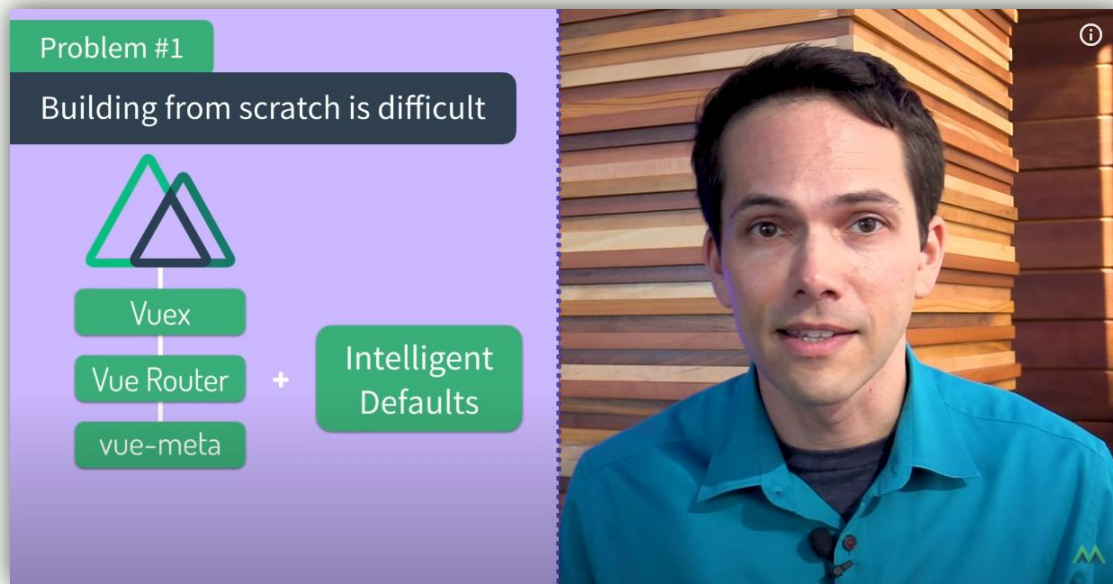
# Vue.js

- [youtube.com/watch?v=YrxBCBibVo0](https://youtube.com/watch?v=YrxBCBibVo0)



# Nuxt.js

- [youtube.com/watch?v=7ITypVi-qRY](https://youtube.com/watch?v=7ITypVi-qRY)





# Testing Session

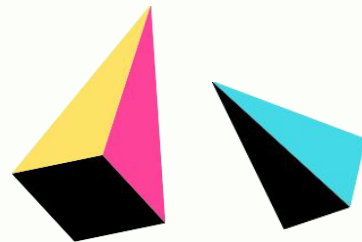
# Getting Started

- Head over to **[mobile.orlandomathcircle.org](https://mobile.orlandomathcircle.org)** on the web or on your phone and use the credentials provided.
- Google Classroom: **[classroom.google.com/u/2/c/MTg2NTU3MzYzMzc5](https://classroom.google.com/u/2/c/MTg2NTU3MzYzMzc5)**

# First Testing Task

Here we will focus on the Log In Page, Home Page, and Account Page:

- ☐ Log in to the app with the provided credentials
- ☐ Select Remember me?
- ☐ Navigate the Home Page and click on some of the provided links
- ☐ Head over to the Account Page and find out what you can do there
- ☐ Sign up for email reminders





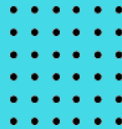
# Second Testing Task

Here we will focus on the Events Page:

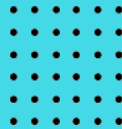
- ☐ Register for multiple events
- ☐ Try to register as a volunteer
- ☐ Sign up for reminders
- ☐ Navigate the calendar
- ☐ Change the views from the dropdown (Simple, Month, Week, Day, 4-Day)

## Overall Thoughts?





# Break / Free Time



# Web App Hands- On

# VS Code

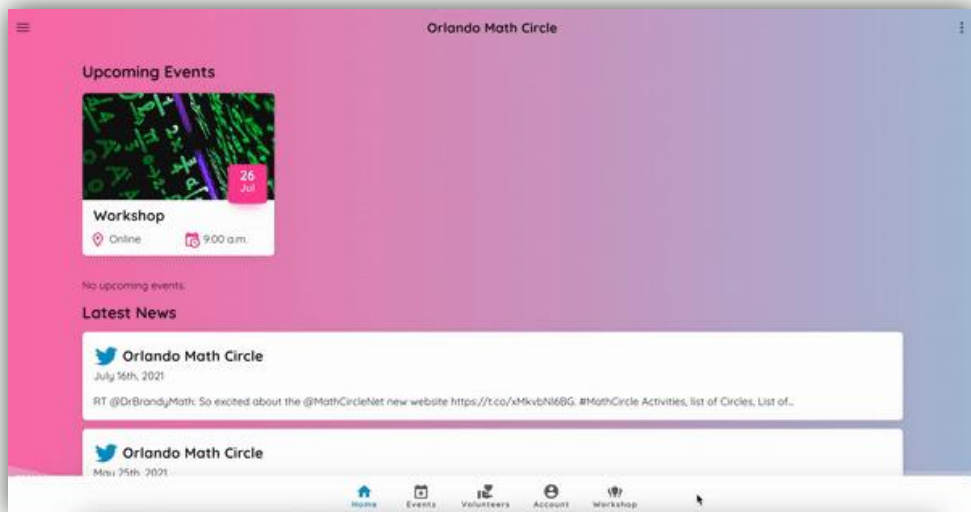
- Source-code editor made by Microsoft for Windows, Linux and macOS
- Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git
- To download head over to and follow the on-screen prompts **[code.visualstudio.com/download](https://code.visualstudio.com/download)**

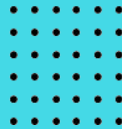


# OMC App Exercise: Page Creation

- Follow along with Sam to learn how to create a new page within the app!

**[orlando-math-circle.github.io/omc-app/workshop/day3](https://orlando-math-circle.github.io/omc-app/workshop/day3)**





# Database Demo

# DataGrip

- Database management environment for developers
- It is designed to query, create and manage databases
- Databases can work locally, on a server, or in the cloud
- Supports MySQL, **PostgreSQL**, Microsoft SQL Server, Oracle, & more







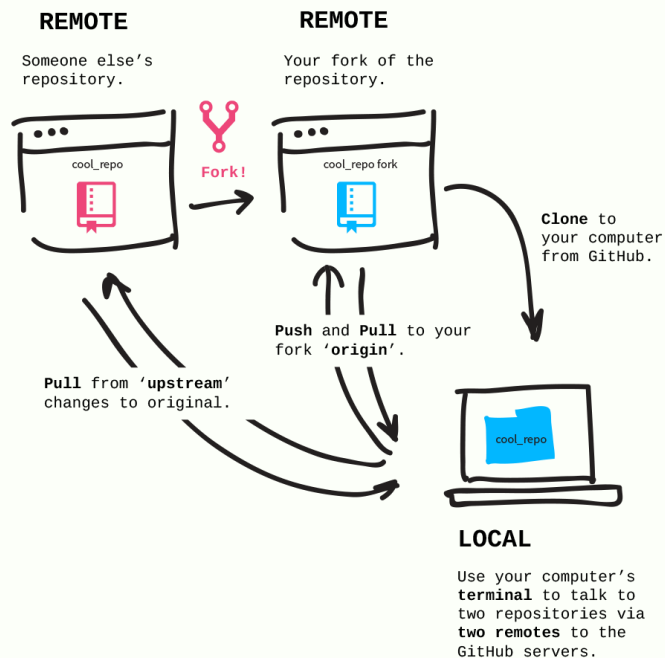
# GitHub Practice

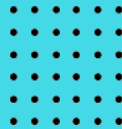
# GitHub

- Website and cloud-based service
- Helps developers store and manage their code, as well as track and control changes to their code
- **Version control:** helps developers track and manage changes to a software project's code. As a software project grows, version control becomes essential
- Head over to **github.com** to register for an account!



# GitHub Exercise: Commit and Push





# Outcomes

THANK YOU!