Web Development @ VT

Meeting times: Sunday, 2 pm in McBryde 113
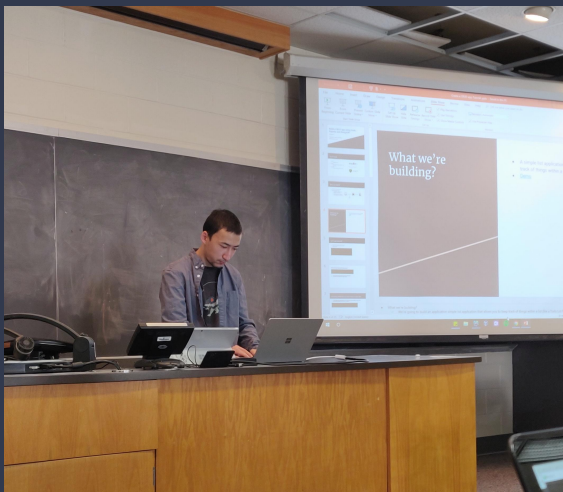
Follow us on social media!

Website: webdvt.org
Instagram: @WebDVT
Facebook: @WebDVT
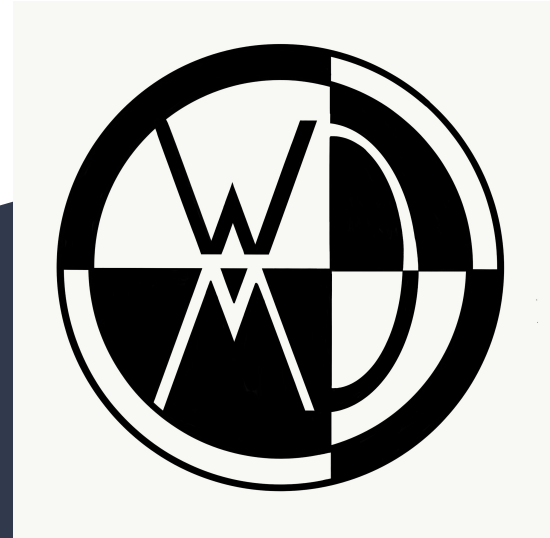
Today's Agenda

1. Organization mission/purpose
2. Introduction from our leaders
3. What you can expect to learn
4. Tools we will be using
5. Wrap-up & Q/A

Club Mission/Goal

How we got started with this club?

1. No existing (active) club focused on web development only
2. Make more people become interested in web development
3. Fall of 2018

Mission:

1. To create a web development centered community at Virginia Tech.

Introduction From Our Leaders!

President: Hassan Yakefujiang

Vice President: Nabdeep Shrestha

Treasurer: Manisha Kusuma

Secretary: Nathaniel Salazar
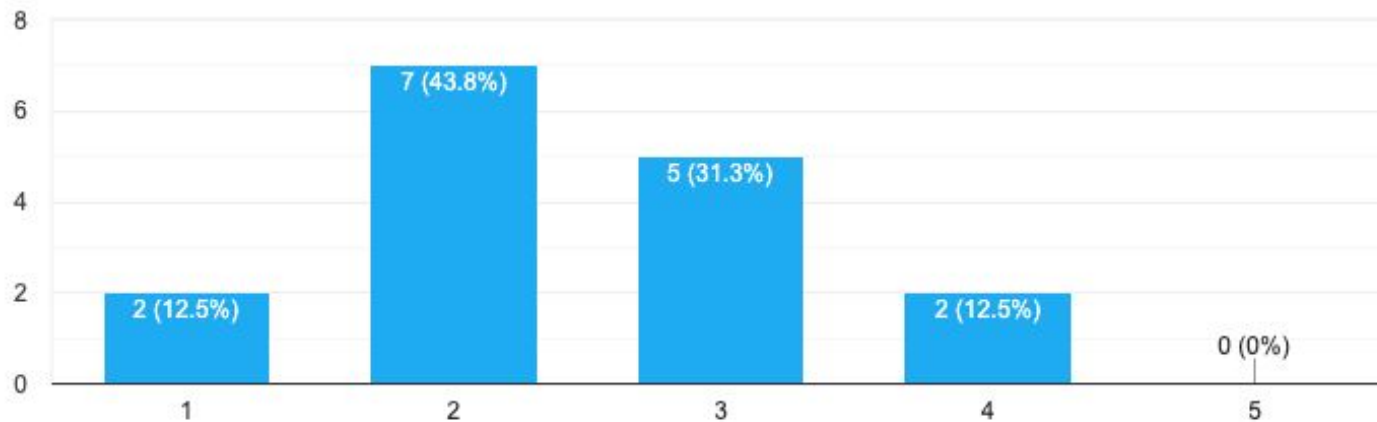
Webmaster: Maanas

Social Media & Marketing Chair: Jared Joo

Faculty Advisor: Dr. Godmar Back

Survey Results

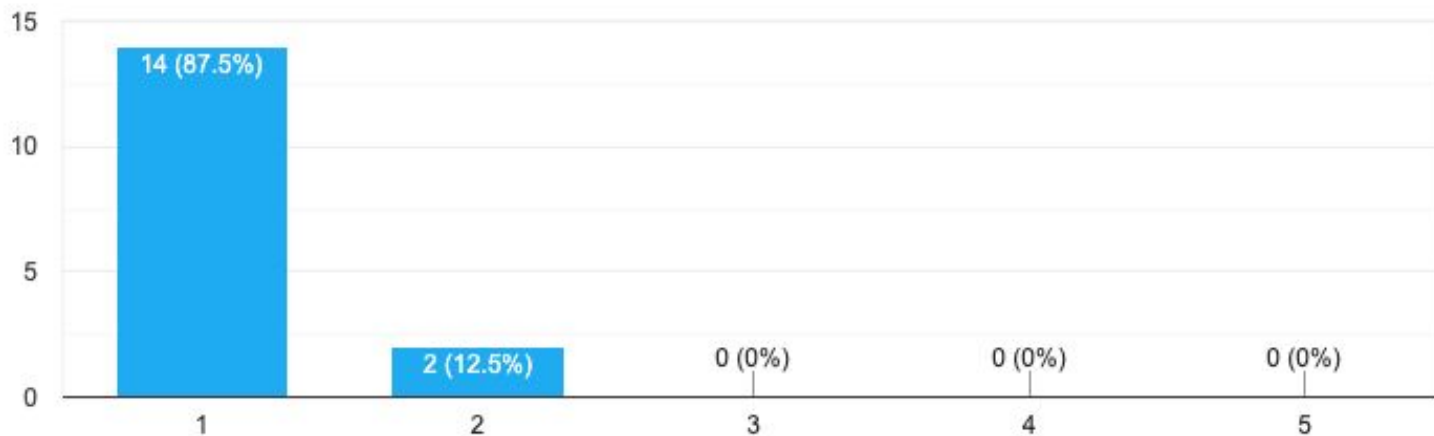How familiar are you with JavaScript?

16 responses

Survey Results
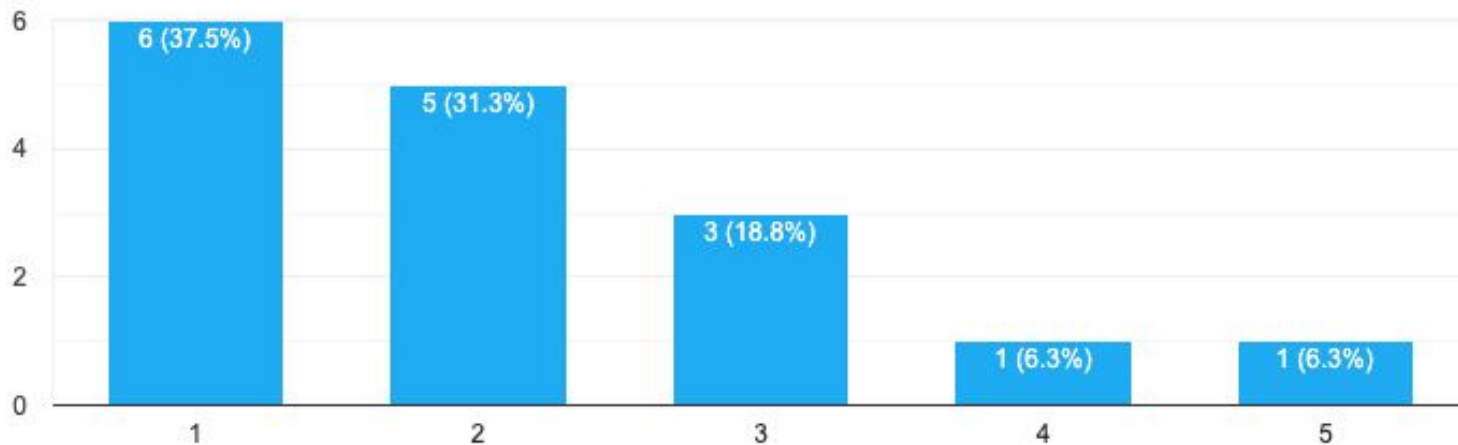

How familiar are you with React.js?

16 responses
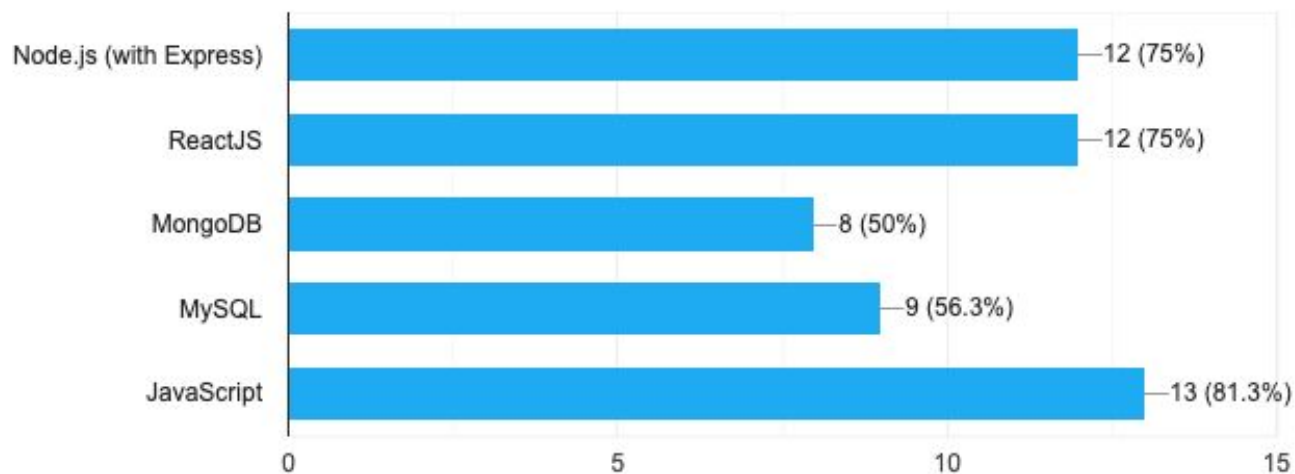
Survey Results

How familiar are you with Git?

16 responses

Survey Results

What do you want to learn?

16 responses

Topics covered

- Technologies Covered:
  - **JavaScript** (programing language)
  - **Git** (version control tool)
  - **Node.js** (JS run-time)
  - **Express** (back-end framework for Node)
  - **MongoDB** (database program)
  - **Mocha** (JS test framework)
- Topics covered
  - Use Node.js (with Express) to build a backend API
  - Connect with external database such as MongoDB
  - Write unit tests in JS
  - Create front-end UI using React
  - Be comfortable using Git and Github

Spring 2020 Meetings Schedule

Event Name	Date	Time	Description
WebDVT Interest Meeting	Wednesday, February 19	6pm - 6:30pm	We will start out the semester with an interest meeting.
Sunday Workshop #1	Sunday, February 23	2pm - 3pm	Intro to JavaScript
Sunday Workshop #2	Sunday, March 1	2pm - 3pm	More on JavaScript
Sunday Workshop #3	Sunday, March 22	2pm - 3pm	Intro to Git
Sunday Workshop #4	Sunday, March 29	2pm - 3pm	Intro to Node.js and Express
Sunday Workshop #5	Sunday, April 5	2pm - 3pm	Build API #1: Node, Express and MongoDB
Sunday Workshop #6	Sunday, April 12	2pm - 3pm	Build API #2: Testing in Mocha and Chai
Sunday Workshop #7	Sunday, April 19	2pm - 3pm	Intro to React.js
Sunday Workshop #8	Sunday, April 26	2pm - 3pm	Build API #3: Build out the front end and deploy the app

Survey Results

Any comments or suggestions for Spring 2020

5 responses

Videos from the meetings for people who weren't able to make it or want to review

NodeJs with Express and possibly Angular

Can you make the meetings a bit slow as it becomes too hard to keep up

Perhaps make the sessions more interactive? The sessions were very informative, but some of it was still difficult to understand because it was so much content within one meeting. Perhaps a brief review of the previous meeting could also be helpful as well in the beginning of each meeting?

"Videos from the meetings for people who weren't able to make it or want to review."

New "Meetings Notes" Page!

Meeting Notes

You can find all of our meeting notes here!

Intro To JavaScript

📅 2/23 at 2 pm   📍 Mcbryde 113

Are you interested in Web Development? Come to our first club meeting on Sunday and learn JavaScript! Just bring your laptop 💻 with a text editor installed! 🍕 served!

 Github Repos   📄 Meeting Slide

Recommended Videos:
▶️ JavaScript Survival Guide (15 min)
▶️ JavaScript Pro Tips (12 min)

Optional Videos:
▶️ JavaScript: How it is made (11 min)
▶️ The Future of JavaScript - New Features and Disruptive Trends in 2020 (11 min)

Interest Meeting

📅 2/19 at 6 pm   📍 Mcbryde 129

Are you interested in Web Development👨‍💻👩‍💻? Come to our interest meeting this Friday and learn about what we do! 🍕 served!

 Github Repos   📄 Meeting Slide

https://webdvt.org/info

"Make the sessions more interactive?"

Technical challenge + Kahoot + Videos!

- **Before** the meeting
  - Watch the short recommended videos
  - Have the necessary tools ready to go
- **During** the meeting
  - Informative lecture (20 minutes)
  - Follow-along coding session (10 - 15 minutes)
  - Solve a challenge with a partner (15 minutes)
  - Wrap up with a Kahoot quiz (10 minutes)

Tools we'll be using
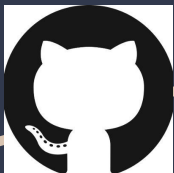
- Text Editor or IDE
  - Webstorm (recommended; free for students)
- Git
  - Version control system used for tracking changes in computer files
  - Save changes we make to our local computer
- Github
  - Web-based hosting service for version control using Git
  - Save files to Github account
- Browser Dev Tool
  - Chrome, Firefox, Edge etc.

Things to mention

KEEP CALM WE'VE GOT YOU COVERED
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1. We will start from the **beginning** JavaScript, so do not worry if you have **no prior coding experience**!

2. We will try to make each meeting self-contained.

3. We encourage you to attend each meeting so you don't miss out on important topics.

4. Pizza will be provided!

Wrap-up

- **Our first meeting is this Sunday at 2pm in McBryde 113 → Intro to JavaScript**
- Install **Git**
  - https://git-scm.com/downloads
- Download **Webstorm** (or any text editors of your choice) on your computer before our first meeting (use the trial version for the moment until your student subscription is confirmed)
  - We will spend the first 20 minutes to make sure everybody have webstorm installed and working correctly
  - Instructions on Installing WebStorm

Thank you for attending!

Any questions or concerns?

Follow us on social media!

Website: webdvt.org
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Facebook: @WebDVT