KICK START GROUP PROJECT
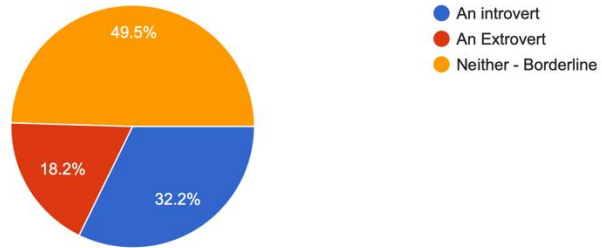
Mar 10, 2025

PROJECT TEAM
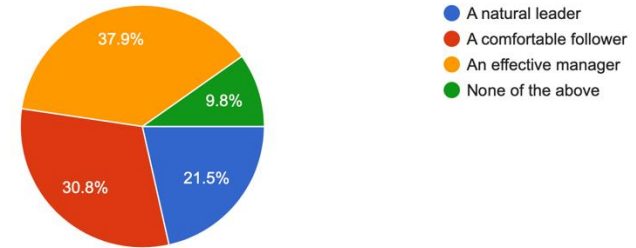
Do you consider yourself to be
214 responses
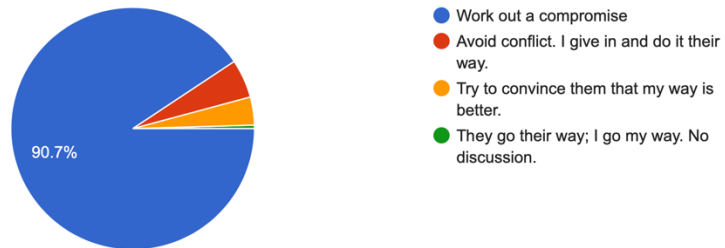

- An introvert
- An Extrovert
- Neither - Borderline

49.5%

18.2%

32.2%

Do you consider yourself to be
214 responses

- A natural leader
- A comfortable follower
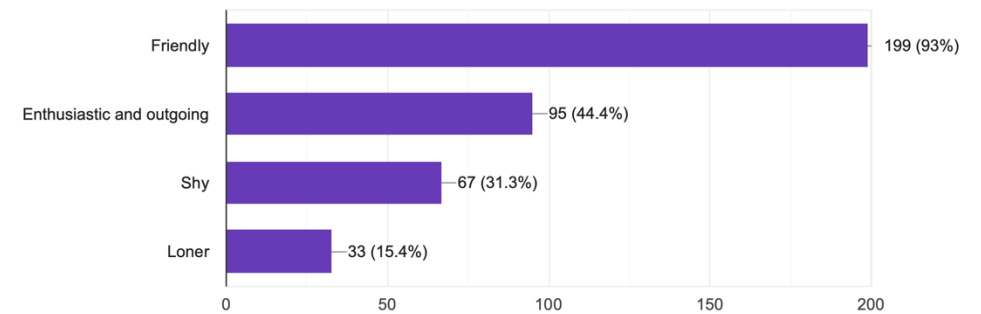- An effective manager
- None of the above

37.9%

9.8%

21.5%

30.8%

If you don't agree with someone about how to do a task on which you MUST work together, what is your typical approach?
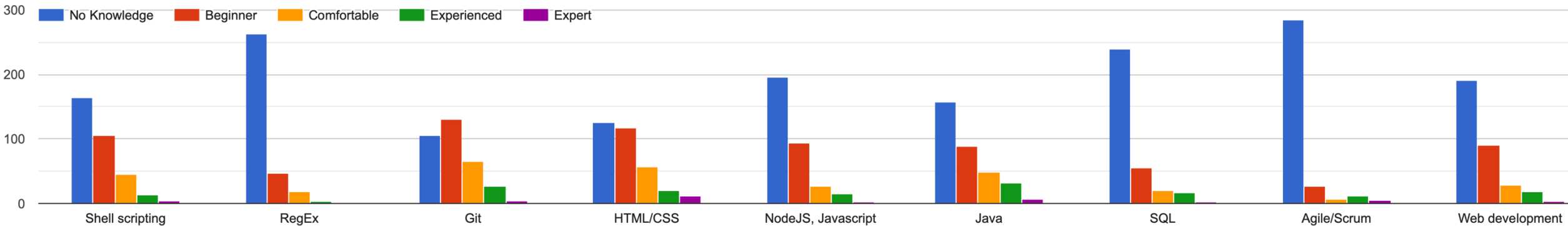214 responses

- Work out a compromise
- Avoid conflict. I give in and do it their way.
- Try to convince them that my way is better.
- They go their way; I go my way. No discussion.

90.7%

Do you consider yourself to be
214 responses

Friendly	199 (93%)
Enthusiastic and outgoing	95 (44.4%)
Shy	67 (31.3%)
Loner	33 (15.4%)

0   50   100   150   200

Fall 2019 – 13-week long project

Rate your skills with respect to the following

Legend: No Knowledge, Beginner, Comfortable, Experienced, Expert
Categories: Shell scripting, RegEx, Git, HTML/CSS, NodeJS, Javascript, Java, SQL, Agile/Scrum, Web development

Spring 2025– 4-week long project

Rate your skills with respect to the following

Legend: No Knowledge, Beginner, Comfortable, Experienced, Expert
Categories: Shell commands, RegEx, Git, HTML/CSS, NodeJS, Javascript, Java, SQL, Agile/Scrum, Web development
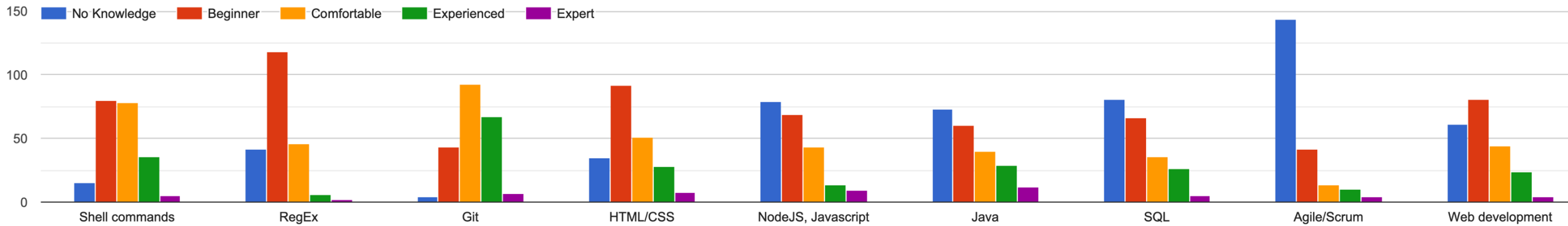
WHAT TO EXPECT?

- Group Size – 4-6 members

- Varying skill set

- Everyone should understand the tech stack

- Communicate effectively and in a timely manner

- Make decisions collaboratively

- Scope your application well and divide the work sensibly

- Pull your weight – nothing more, nothing less

- Pair program

- Recognize when you need help and ask for it

- Be prepared for the weekly meetings with your TAs

- It is a group effort, but your individual contributions are weighted in your grade

PROJECT SCOPE

QUALITIES OF DESIRABLE SOFTWARE
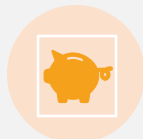
User Experience

Availability

Performance

Scalability

Adaptability

Security

Economy

SCOPE YOUR PROJECT WELL

- This project is 4 weeks long - Be realistic

- Identify the problem you are trying to solve

- Produce a list of features you would like to include in your solution

- Ascertain key features that are core to for the product you are building to be deemed a solution for the problem

- Work on building a Minimum Viable Product every week

- Aim to build completely functional features

- Quality over quantity
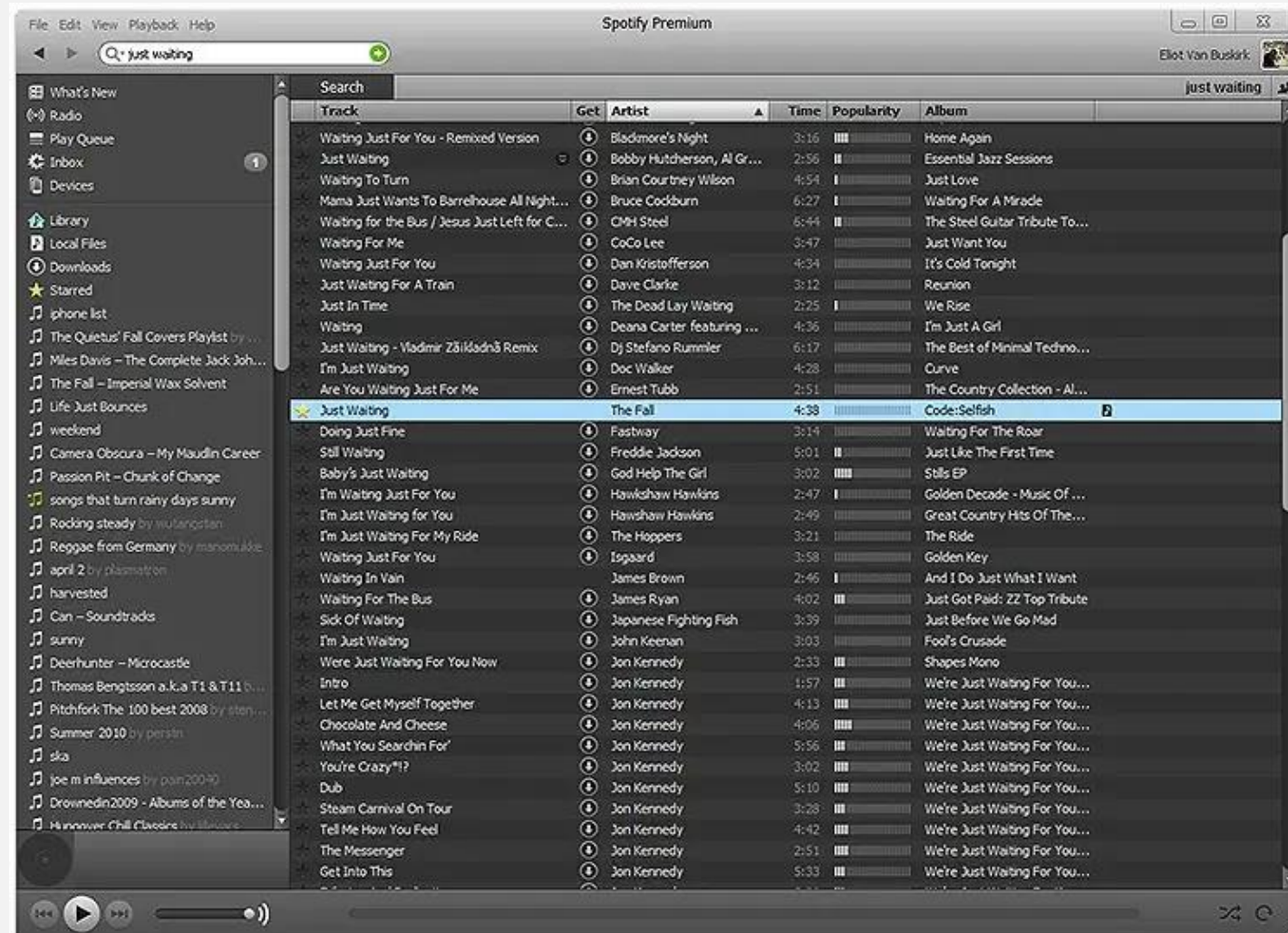
PROJECT IMPLEMENTATION

PRACTICES TO FOLLOW

- Be conscious about technical debt

- Think holistically about your project – from project ideation to project delivery

- Document your requirements on the GitHub project board

- Document your code

- Prepare a plan to test your application

  - Unit test, integration test and user test

CHECKLIST

- Create a plan, include a timeline
- Clarify where you are beginning and what the end means
- Budget your resources – time
- Document practices
- Set up a communication plan – for your team, for TA
- Keep track of your project progress
- Identify risks
  - Minimize features that are high risk, or
  - Have a mitigation plan
- Work consistently

QUESTIONS?