

Fullstack Development

Preflight Project

Objective

Develop "end-user-ready" full-Stack application in 1 month.

- Ideas

Why?

- Give students experience of the overview of the full-stack technology.
 - Before going into more details later.
- Want smaller groups ➡ better learning experience.
- Give students more chance to iterate ➡ better coding decision in the project.

Requirement

- Full stack technology
 - Anything that you can run on local development environment.
 - No cloud service (e.g. Firebase)
 - If using JavaScript frameworks, use TypeScript.
- Testing
 - API testing
 - UI testing
- Deployment
 - Deploy on CPS virtual machine (Ubuntu).
 - No Netlify, Vercel, Railway

Deliverables

- Application (URL)
- VDO (TBA)

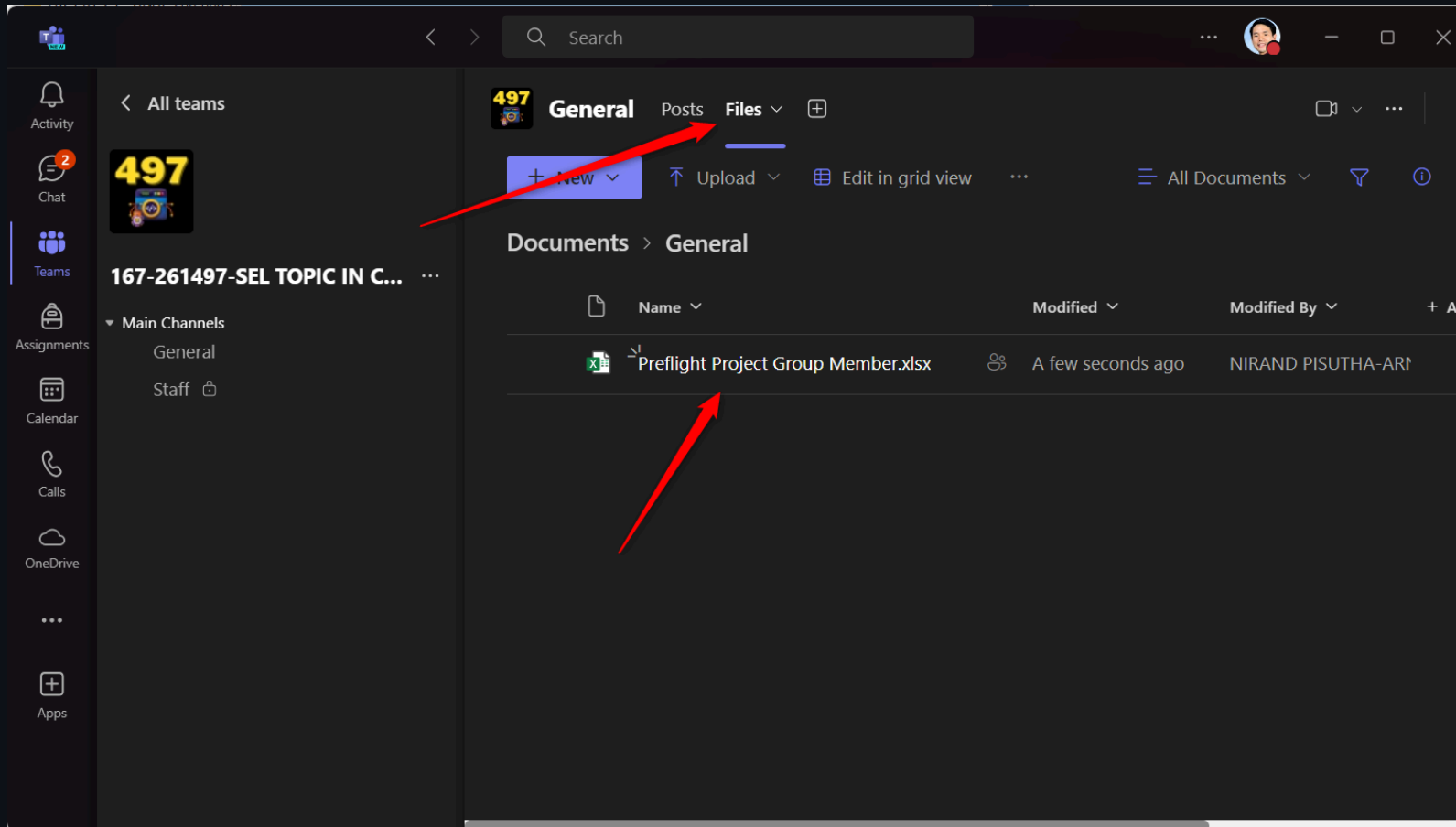
Grade

- TBA
- Extra credits
 - Nice-looking UI design
 - Includes Authentication / Authorization
 - Use different stacks than the class example.

Timeline

Date	Day	Topics
21 Jun	Fri	Modern Javascript / Typescript
25 Jun	Tue	DB and Backend
28 Jun	Fri	Frontend and CSS Library
02 Jul	Tue	Testing
05 Jul	Fri	Deployment

Group assignment



Self Evaluation

Roadmap

<https://roadmap.sh/get-started>

Form

<https://forms.office.com/r/ZGzaZM9yxm>