

COSC 499: Capstone Software Engineering Project

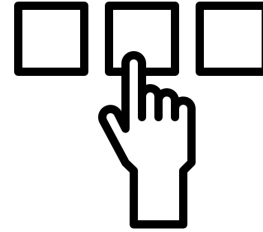
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Exercises in GitHub Classroom

- A private repo has been setup for you
- Follow the link complete the setup through GitHub Classroom
- You will need to login to GitHub before joining the project
- Team exercises:
 - If you are the first one in your team, you will need to name your team
 - Members joining later will need to select the team name but it cannot be changed
 - Please ensure that everyone has joined the repository, cloned it to your local and you are able to commit to the repo

Project Options

- Possible options
 - 1. Sharing Leftovers Mobile App
 - 2. Adapting Course Materials Web Platform
 - 3. Video Streaming Using Cloud Technology
 - 4. Common class option - [we will develop](#)
- Options #1,#2,#3 are proposed by external client
 - Require IP agreement with client
- Client involvement
 - One of the judges in a panel in December and April
 - No weekly meetings with client
- Teaching staff support
 - Monday's: Review team's weekly checkpoints and issues from previous week
 - Tuesday's and Thursday's: Check-in with teams, support where needed

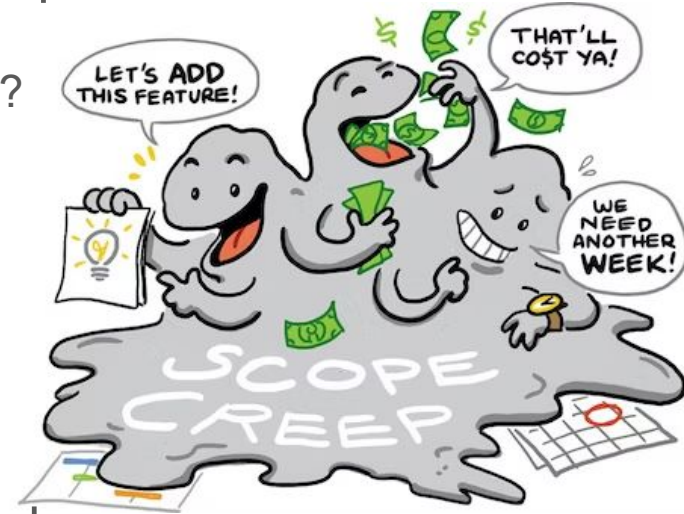


Carving Up Project Option 4

- Project goal:
 - *[one to two sentences]*
- Target users:
 - *[two or three user groups with brief descriptions]*
- Things to think about when scoping your project:
 - *[list of questions to consider]*

Developing User Scenarios and System Features

- Come up with use cases for target user groups
 - Think of a complete **happy path**
 - How many features needed to demonstrate this?
 - Have you considered front-end, back-end, integration, deployment, etc.?
 - Are the features roughly the same "size"?
- What would constitute a **minimal viable prototype** to successfully demonstrate the project goal?
- Align the features to each team member and project deadline



Next Steps



- Watch the IP guest lecture
- Review sample IP agreement
 - Client's ownership over project
 - Students and instructor maintain educational rights
- Review project plan template
- Finalize your team's project option

- Next class: Project plan
 - Answer questions regarding project plan report
 - Meet with teams for each project option ~20 min