CSE 403
Software Engineering
Spring 2023

#9: Git in-class Practice
Logistics

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Notes</th>
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<tbody>
<tr>
<td>04/10</td>
<td>L: SCRUM</td>
<td></td>
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<tr>
<td>04/11</td>
<td>T:</td>
<td>DUE: PR!!!</td>
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<tr>
<td>04/12</td>
<td>L: Version Control</td>
<td>[GitHub Project Setup (GPS)]</td>
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<tr>
<td>04/13</td>
<td>P:</td>
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<tr>
<td>04/14</td>
<td>LX: GIT</td>
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Review: Branching vs Cloning vs Forking
Review: Conflicts

How to avoid merge conflicts?

- Not doing any work 😞
- Clear separation of responsibilities 😞
- Frequent code synchronization (pull and push) 😎
- Good code componentization 😍
- Atomic commits 😅
Review: Merge vs. Rebase

https://www.atlassian.com/git/tutorials/merging-vs-rebasing
Git Activity #1: Let's Play
Git Activity #1: Add your team to the Course Page

1. One member, the team lead:
   a. forks the course GitHub website
   b. adds other team members as contributors
   c. edits the team.md (inside offers/CSE403-SP23) page to:
      i. copy the project — model text — to your project slot
      ii. change the project description line and the link to your GitHub repository
      iii. commit

2. Members of the team
   a. clone that repository
   b. add their name and website to a line
      i. If no website, remove the link!
   c. integrate (merge and push) their code back into the repository

3. The team now can submit a pull request with the team info
Git Activity #2: The graded one!

1. Go to the Canvas LX9 Assignment
2. Follow instructions
3. Ask questions
4. Submit by the end of the day
What's next?

Question, please!