

Software Engineering & ISD Lab

Week 2 Task 2.2: Merge Conflict

Overview

Version control software supports tracking of different changes to a shared project, however the possibility for change conflict can occur and needs to be resolved. In this task you will explain what this problem is, how it can occur, and how to fix it.

- Purpose:** Understand and describe what merge conflicts is, how they can occur, and how best to deal with them in a way that matches the root cause.
- Tasks:** Create your own personal document or presentation (such as a tutorial, blog post, quick-start guide or similar) to demonstrate your understanding of what merge conflict is, how it can occur, and appropriate ways to deal with it in a way that matches the root cause, so that it is not a problem.
- Time:** This task can be done by week.
- Resources:** See online resources regarding git and merge concepts
- Feedback:** Your course teacher will give you feedback on the document you create and, when completed to a high standard, mark it as done after discussing it with you in your laboratory class.

Week 2 Task 2.2 Submission Details and Assessment Criteria

You should create a personal (unique) document, and submit it to classroom as a PDF document. Your PDF document should also include a URL if your content is posted online.

Instructions

The key criteria for this task are that you demonstrate:

- a good understanding of what merge conflict is for git,
- how it can occur (noting one or more root causes with examples),
- what can be done to fix conflicts in a way that matches root cause, and
- identify what should not be done and why.

You should provide examples to support your explanations. Note that good a solution must be properly matched to the root cause identified.

You can present your understanding using a number of different formats, however the following are suggested

- Write a tutorial document, with supporting files/examples, to help a student understand how to deal with git merge conflict
- Write a Quick-Start guide that someone (your target would be a student in this unit) could follow to get up to speed quickly, with supporting code or examples.
- Write a blog post that gives a strong personal view of what you do and why when it comes to dealing with merge conflict.