

Task 1: Fast-Forward Merge

They are both fast forward merges because they didn't have any conflicts and there were no divergent commits between the two branches.

Task 2: Conflicts

2b. Merge conflicts occur when two people make different changes to the same part of a file in separate branches. One example of this would be if a developer was working in the develop branch and changed the title of the document. If a developer working in the conflict_branch then also changed the title of the document and then merged from the develop branch into the conflict_branch, this would cause a merge conflict, and they would have to manually decide what to do. In our scenario we decided to accept both changes.

2c. A merge conflict will not occur if changes are made to multiple parts of the same file in different branches. One example of this would be if a developer working in the develop branch added a header towards the top of the html file, and someone working in the conflict_branch added something to the end of the file. If they then pulled develop branch changes into their own branch, there would be no conflicts or resolution needed.