Fibonacci Sequence

Assignment 2

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Submitted to:

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CEN 4802C – Software Integration, Configuration, and Testing

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**Introduction**

In this assignment, students will implement the Fibonacci sequence along with implementing Git into their workflow. Students will document their workflow using screenshots in a separate document.

**Requirements**

* A functioning computer
* A working Integrated Development Environment
* Word processing software
* GitHub account
* Internet connection

**Discussion**

The discussion should generally be AT LEAST a five-sentence paragraph.

Answer ALL of the questions listed in the lab report rubric provided.

Include all pictures mentioned in the lab report rubric provided.

Reference the lecture slides or book if needed.

DO NOT COPY AND PASTE DIRECTLY FROM THE LECTURE SLIDES OR THE INTERNET.

Write EVERYTHING in your own words.

**Validation of Data**

A screenshot of a computer program

Description automatically generated with medium confidence

Figure 1 - Screenshot of successful calculation of the Fibonacci sequence.

A screenshot of a computer

Description automatically generated

Figure 2 - Screenshot showing Main class added to GitHub repo.

A screenshot of a computer

Description automatically generated with low confidence

Figure 3 - Newly created issue logged in GitHub.

A screenshot of a computer

Description automatically generated with low confidence

Figure 4 - Screenshot showing new branch created to address missing documentation issue.

A screenshot of a computer

Description automatically generated with medium confidence

Figure 5 - Screenshot showing Main.java class updated in the MissingDocs branch. Note the status message above stating the branch is 2 commits ahead of the main branch.

A screenshot of a computer

Description automatically generated with medium confidence

Figure 6 - Screenshot demonstrating a newly created pull request for the MissingDocs branch merge into the main branch.

A screenshot of a computer

Description automatically generated

Figure 7 - Screenshot containing side by side comparison of main and MissingDocs branches. Newly added code is highlighed in green within the IDE. For emphasis, newly added code in screenshot was boxed in red using a markup tool.

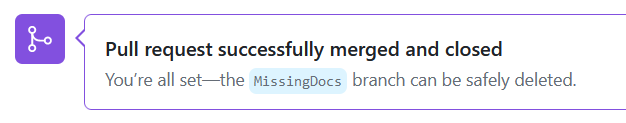


Figure 8 - Screenshot showing both main and MissingDocs branches were merged successfully.

A screenshot of a computer

Description automatically generated with medium confidence

Figure 9 - Screenshot showing remaining branches. The MissingDocs branch is missing since it was deleted after successfully merging the branch to main.

**Conclusion**

Enter your answer here. Use 2-4 sentences.