

Project Name: Linked List Practice Problems

Group Name: Runtime Terrors

Client: William Hill

Overview

The Linked List Practice Problems project is an educational website that aims to help students better understand Linked Lists and the concepts behind them. This project has many complex parts that need to be functioning correctly. In this document, I will mention the methods that I will be using to evaluate the tasks that I was given in the project to make sure they work correctly.

Instructor's Manual:

- Approach: We will approach at least ten instructors and ask them to perform certain tasks (such as setting up assignments and viewing the students' grades) on the website using only the instructor's manual as a guide. Then we will ask them to give us feedback on their experiences of using the instructor's manual (which parts did they find unclear or what could have been added to make their experience better).
- Why: This will help us gather information about the instructor's manual, which we can use to further improve the manual to make it more user-friendly.

Quiz Library:

- Approach: We will approach instructors and ask them to take the quizzes provided on our website about topics (such as single-linked lists and double-linked lists) in Linked List multiple times. Then we will ask them if the questions provided on the quizzes make their standards on what students should know (such as which topics need more questions or which topics need their questions repeated with more suitable questions).
- Why: This will help us provide practice quizzes that are acceptable by the instructor's standards and will also help students understand Linked Lists better and perform better on their assignments.

Interactive Canvas:

- Approach: We will approach students and ask them to perform a certain task about Linked Lists (such as adding to a Linked List, deleting from a Linked List, changing a single-linked list to a circular-linked list or double-linked list) for at least 30 minutes or an hour, then ask them if they feel like they understand that task better after they have used the interactive canvas. What did they like about the interactive canvas, what did they think could have been done better and what did they think could be added.

- Why: This will help us develop a better interactive canvas that makes the students understand most of **the** concepts behind Linked Lists.

Concept and Task Briefing:

- Approach: We will approach both instructors and students and ask them to read the briefings and have them explain what the briefings are to see if the briefings are clear and understandable. Then explain the briefings back to them and ask them for feedback on what could have made them understand the briefings better or faster.
- Why: This will help us produce briefings for the concepts and tasks that are not only how we think users would understand but are made in a way that most users would understand them.

Conclusion:

My methods of evaluation are aimed at making sure that the final product of our project is not only user-friendly for both the instructors and students. But it also meets the main requirement of being a learning website by ensuring that the students understand the concepts that are being provided and perform better on their assignments. By using the evaluation plan, we will be able to provide a product that the clients will be happy with.