

Logicblocks by Techlignce Robotics Task Sheet

February 12, 2024

Important:All the underlined text are links, which might not be visible based on your application, so do not forget to click any underlined text throughout the document and make sure to follow the coding standards given in the file.

1 Task Overview

The primary objective is to merge the `feature/motion-control` branch with the `main` branch. This task involves not only the integration of new features but also ensuring the functional and operational integrity of the "motion and control" category, mirroring the implementation standards found in Scratch.

2 Task Breakdown

2.1 Preparation

1. Update the local repository to reflect the latest changes in both the `main` and `feature/motion-control` branches.
2. Ensure the working environment is set to the `main` branch and is synchronized with the remote repository.
3. Switch to the `feature/motion-control` branch and integrate any recent updates from the `main` branch to minimize merge conflicts.

2.2 Review and Testing

[resume]Conduct a detailed review of the "motion and control" category's implementation. Perform exhaustive testing on each block within the category to identify any non-functional elements.

2.3 Debugging and Refactoring

[resume]Debug and refactor any blocks or associated UI components that are not working as expected. Validate the corrected implementations against Scratch's version to ensure consistency.

2.4 Final Integration

[resume]After ensuring full functionality, merge the `feature/motion-control` branch back into the `main` branch. Resolve any conflicts and perform a comprehensive review to ensure the integrity of the merge.

2.5 Documentation and Deployment

[resume]Update all relevant documentation and code comments to reflect the changes made. Deploy the updated `main` branch to the appropriate environment, adhering to the project's deployment workflow.

3 Conclusion

This task mandates a systematic and detailed approach to ensure the seamless integration of the "motion and control" category into the main project, maintaining the application's stability and functionality throughout the process.