Group Governance Document
COMP 3649 Programming Project

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1 Introduction

This document outlines the governance guidelines for our JavaScript group programming project, detailing coding standards, code reviews, dispute resolution processes, and team collaboration expectations.

2 Coding Standards

All team members are expected to follow standard JavaScript coding practices as defined by our agreed-upon lint configuration. Key guidelines include:

- Consistent indentation (2 spaces)

- Meaningful variable and function naming (camelCase)

- Clear and concise comments explaining logic

- Modular code structure

- No trailing whitespace

- Use of strict equality operators (=== and !==)

- Avoidance of global variables

- Regular use of semicolons to terminate statements

- Limiting line length to 80 characters

3   Version Control and Branching

The team will utilize Git and GitHub for version control. The branching strategy adopted will be:

- Main branch for haskell and javascript separately

- Feature branches (for each major feature or addition)

4   Code Review Process

All code must undergo peer review before merging into the main branch. The review process includes:

1. Submission of a Pull Request (PR)

2. At least two peers must approve the PR

3. Code comments and constructive feedback must be provided

4. Required changes should be addressed promptly

5   Dispute Resolution

Disagreements during code reviews or project decisions will be addressed as follows:

- Initial discussion between involved parties to reach a consensus

- If unresolved, escalate to a team meeting for collective resolution

- Final decision determined by majority vote

- If a tie occurs, we roll dice to determine what option to choose

6   Communication Guidelines

Regular communication is essential. The team agrees on:

- Weekly meetings every Thursday to discuss progress, review project deadlines, and resolve any outstanding issues

- Discord for daily asynchronous communication

- Timely updates in the group repository and documentation

7 Documentation

Every major feature should be accompanied by proper documentation explaining its functionality and implementation details, including:

- In-line code comments

- README files for additional explanation

8 Sample JavaScript Code Review Snippet

```javascript
// Example function to demonstrate expected coding standard
function add(a, b) {
  if (typeof a !== 'number' || typeof b !== 'number') {
    throw new Error('Inputs must be numbers');
  }
  return a + b;
}

module.exports = add;
```