



# EBU4201 Introductory Java Programming 2024/25

## Marking Criteria for Mini-Project: Shapeville

### Overall Assessment Weighting:

- PART 1: Application, Demonstration and Q&A: 60%
- PART II: PDF Report, Code Quality and Documentation: 40%

### PART I: Application, Demonstration and Q&A (60%)

This section entails the actual working program and students' ability to explain and respond to questions.

Criteria	Marks	Description
Application Functionality	30	Implementation of required KS1 & KS2 tasks and bonus tasks. Smooth navigation, accurate scoring logic and error handling.
Inclusivity & Accessibility	5	Support for children with colour blindness, user-friendly fonts, intuitive layout and engagement features for short attention spans.
Q&A and Individual Understanding *	25	Clear articulation of work by each individual student, demonstrating understanding of relevant Java concepts etc. via responses to the assessor's questions.

\* Each student will get an individual mark for this section.

## PART II: PDF Report, Code Quality and Documentation (40%)

This section entails all the elements of the PDF report, code quality and HTML javadocs.

Criteria	Marks	Description
Task Allocation & Team Contribution	3	Clearly defines roles and each member's contribution.
System Design (Flow Charts & Class Diagrams)	7	Clear and logical design visuals showing system structure and data flow.
Design Justification	5	Explains how design choices were made including enhancing accessibility and engagement for target users.
Code Quality & Documentation	10	Well-structured code with good use of OOP principles, minimal duplication of code, meaningful identifier names and proper commenting including HTML javadocs.
User Manual	5	Step-by-step explanation of application use, suitable for non-technical readers.
Use of AI Tools & Prompts	5	Thoughtful use of AI tools with 3 documented prompts and responsible integration.
Reflection on Group Work	3	Honest insights into project experience and areas for improvement.
Presentation & Clarity of Report	2	Well-structured, easy-to-read report with appropriate formatting and grammar.