mp3

Instructions:

Time 1 hr 45 mins. (closed book).

You have been given some code that is currently being developed as part of digital music system. (**mp3.java**). The developer of the code has suddenly left the company and has left no documentation. Your manager has reviewed the code and informed you of issues with code clarity, including a lack of comments, consistency and some possible defects.   Your manager has verified the accuracy of the comments in the code in relation to any business rules that may be in required. In addition not all the requirements have been implemented. It is your task to implement these, test the class and raise the coding standards of the class.

Part 1

Create a **project solution** *and* **package folder** (both be named **p2p1<your student id> e.g. p2p13048201).** Add **mp3.java** to the solution**. Ensure your name and student number are placed in the Javadoc comments for the class.**

Part 2

1.   Your manager is keen that the code conforms to expected coding standards. Also ensure the code is appropriately commented.

2.   The system has some potential defects.   You should investigate these and fix if required. Some of the defects may be obvious while others may require automated Unit Testing.

Part 3

Some of the requirements have not been implemented. Your manager has requested you implement this one…

1.   Each mp3 shall have a Song Length (length of the song in seconds) property. The allowable range should be from 1 – 2500.

   When complete compress (zip) the *Eclipse solution* and upload to **Assignments** (Programming 2 - Practical assessment) on QOL *and* **email** to **aidan.mcgowan@qub.ac.uk**