**Project Submission List**

This document lists submitted contents for CTL Model Checker project:

1. 5392-sum21-project/Documents/CTL Model Checker – Test Cases.docx

The file contains description of all testing cases in detail.

1. 5392-sum21-project/Documents\Attachments

All the screen shots of the test cases, including broken models, are included in the Attachments folder.

1. 5392-sum21-project/UML-class-diagram.png

The class diagram of the software system.

1. 5392-sum21-project/src/ModelCheckCTL

All the source code and test files are contained in this folder.

1. 5392-sum21-project/test/modelCheckerCTL\_1/testcases

Testing project for all the seven testing models.

1. 5392-sum21-project/test-files

All the test files provided.

1. 5392-sum21-project/test-lib

The libraries needed for running testcases

1. model-checker.exe

The executable file of the model checker.

The project is written in Java. It contains three parts:

1. ModelCheckerCTL – source code of the CTL model checker.
2. ModelCheckerTests – test all the seven test files.
3. modol-checker.exe – executable file of the model checker.

**User Interface Instruction**

图形用户界面, 应用程序

描述已自动生成

1. Clicking the File->Select Model to upload the model.
2. Clicking the File->Exit Model Checker to Exit the GUI.

图形用户界面, 文本, 应用程序

描述已自动生成

1. The loaded model will be shown on the right side of the GUI.
2. Select the state to test, e.g., s2.
3. Input the formula to test, e.g., AFt.
4. Click the button “check”.
5. The result will be shown on “Result” text area.