[CISC 3171-TR3] (MOCK) Mid-Term Exam

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March, 2022

Short-Answer Questions   **(5pts each)**   *Answer each of the below questions briefly, by using 1-2 sentences per question.*

1. List two distinguishing characteristics of the waterfall software development model, relative to agile models?

2. What does the `git push` command do?

3. What is the purpose of a `.gitignore` file, when using Git for version control?

4. Briefly expain Red-Green-Refactor in the context of Test-Driven Development.

5. What is the purpose of an Android Intent?

Paragraph (or Problem) Questions **(25pts each)** *Answer each of the below questions with a paragraph (3-4) sentences, snippet of code (not including imports or surrounding classes and interfaces), or a drawing, as appropriate.*

1. Name one of the SMART user story criteria that the following story violates? Rewrite the corrected user story, and write a corresponding GIVEN-WHEN-THEN scenario for testing the story.

```
As an app-user
So that I can search
I want to be able to specify a search criteria
```

2. Write one complete JUnit test for the below `min` method.

```
/**
 * Returns the mininum element in a list
 * @param list array integers to search
 * @return the minimum element in the list
 * @throws IllegalArgumentException if list is empty
 */
public int min(int[] list) {...}
```

3. Write the Java code necessary for 1) getting a reference to; and 2) changing the text to "Go Bulldogs!"; of an Android TextView widget with the id `R.id.text_view_cheer`;