Jason McGough

**Capstone Proposal**

**Tentative Title:**

Custom Character Sheets for RPGs.

**Technology/language proposed that you don’t know now:**

Java development on Android. I've never done a mobile app, and I've never used Java.

**Description (several paragraphs):**

Many tabletop or pen-and-paper games use character sheets to keep track of data related to a player's character. Depending on the rule system, these sheets can be used to track large amounts of data. Many apps have been developed as electronic alternatives to paper sheets. However, these apps have been developed with a specific rule system in mind, typically for the more popular/common systems. My goal is to deliver an app that can be adapted to various RPG rule systems, that has a customizable UI and is also easy to use.

Users will be able to create their own character sheets, choosing how they want to order data about their character. After creating a character sheet, users will be able to save it as a template for use with other characters, or edit it later if they would like to reorganize their sheet. With saved sheet templates, a user will not be forced to create a new sheet from scratch every time. With customizable sheets, a user could have their own digital sheet for an obscure rule system that is unlikely to receive support. Templates for more common systems could even be preloaded into the app.

Summing up values on a character sheet is an extremely common task in RPGs. Therefore, users should have the option to establish relationships between different data across a single character's sheet. This will allow the user to automatically calculate data that relies on other data on the sheet, saving time when changes occur on the sheet. These relationships will be established during the creation of the sheet template.

Each character sheet will have a main page, which will have a list of sub-pages associated with the sheet. This may be used for quick access to different sections of the sheet. Gesture controls may also be utilized for shortcuts to frequently accessed parts of a character sheet. A quick swipe may be used to return to the main page from any sub-page, for example.