**Functionalities**

* GUI
  + Change to pens, pen-thickness, pen-colors
  + Change to text, text size, text color
  + Change to shapes, choose shape, size, color
  + File management
    - Create new pad
    - Delete pad
    - Save current pad
    - Save current pad as ...
    - Load pad
  + RGB Sliders
* Draw with mouse cursor
* Erase with mouse cursor
* Change background color
* Save to “.pad” file extension
* Change dimensions of the pad (this setting is remembered)

**Non-functionals**

* Upload a picture to draw on
* Optimize speed

**Use Cases**

* Startup - HIGH
* Draw with mouse - HIGH
* Type text - MEDIUM
* Draw shape - MEDIUM
* Save/open file to system - HIGH
* Shut down - LOW
* Erase work - MEDIUM
* Change workspace size - LOW

**Use Cases Analyzed**

**\***these use cases are also planned to be elaborated in the first iteration\*

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| **Name:** Startup |
| **Actor(s):** User, File System |
| **Details:**   1. User begins opening sequence by clicking executable icon 2. System opens new blank project with semi-sleek GUI 3. Cursor begins on typical mouse cursor |
| **Alternate(s):**   1. Scenario1    1. User right clicks a .pad file and opens the project with OpenSketch    2. Software boots up, showing the selected .pad file and its progress    3. Cursor begins on typical mouse cursor |

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| **Name:** Draw with mouse cursor |
| **Actor(s):** User |
| **Details:**   1. User selects pen option and can click and drag to freehand draw    1. User can select brush size and brush color from a GUI toolbar 2. Cursor is changed to crosshair to show drawing mode enacted 3. The line draws as long as the user holds down the mouse |