1. Requirements
2. **ID:** 1.01
3. **Title:** Activity is paused.
4. **Description:** Release shared resources when the activity is paused.
5. **Dependencies:**
6. **Rationale:** Crashes may occur, both in this application and others,
7. when two applications try to share the same resource(s).
8. **Pre condition:** Acitivity is unused.
9. **Post condition:** Shared resources are released.
10. **Rank:** 1.

**ID:** 1.02

**Title:** Activity is resumed.

**Description:** Initiate previously released resources when resuming an acitivity.

**Dependencies:** 1.01

**Rationale:** The application doesn't work unless the resources are initiated again.

**Pre condition:** Resources need to have been released previously in order to resume them once onResume(); is called.

**Post condition:** Released resources are initiated once again.

**Rank:** 1.

**ID:** 1.03

**Title:** Image compression.

**Description:** Compress images to a more usable resolution.

**Dependencies:**

**Rationale:** Compressing images allows for faster conversion and less strain on the already scarce memory allocated for the application.

**Pre condition:** The user wishes to convert an image.

**Post condition:** The picture in converted within a reasonable time frame.

**Rank:** 5.

**ID:** 1.04

**Title:** Conversion limit.

**Description:** Make sure that the conversion of a picture doesn't take more than five seconds.

**Dependencies:** 1.03, a smaller, compressed image will convert faster than a larger, uncompressed image.

**Rationale:** By setting a time limit the application runs smoother if the requirement is fulfilled.

**Pre condition:** The user chooses to convert an image.

**Post condition:** The picture is converted in five seconds or less.

**Rank:** 5.

**ID:** 1.05

**Title:** Orientation.

**Description:** Make sure that the GUI is both logical and intuitive.

**Rationale:** If orientation proves too difficult, less users will be inclined to use the application.

**Pre condition:** The user wishes to use the application for a specific service.

**Post condition:** The user is able to find and use the wanted service without any hassle.

**Rank:** 4.

**ID:** 1.06

**Title:** Application size.

**Description:** A user wishes to install the application on a phone without using too much application memory.

**Rationale:** Users will be less inclined to install an application with higher memory usage than necessary.

**Pre condition:** A user wishes to install an application with low memory usage.

**Post condition:** Succesfully installed the application.

**Rank:** 4.

**ID:** 1.07

**Title:** Offline usage.

**Description:** An Internet connection isn't required to use the application.

**Pre condition:** User wishes to start AsciiCam without an internet connection.

**Post condition:** The application starts.

**Rank:** 8.

**ID:** 1.08

**Title:** Filter options.

**Description:** A user may switch between different filters to manipulate a taken or loaded picture.

**Rationale:** More filters will increase the user experience.

**Pre condition:**

**Post condition:**

**Rank:** 8.

**ID:** 1.09

**Title:** Picture options.

**Description:** A user can manipulate a picture, filtered or original, by changing the brightness and contrast.

**Rationale:** Picture options will work as a nice complement to 1.08 and increase the user experience further.

**Pre condition:** A user is unsatisfied with the properties of a picture.

**Post condition:** After using the provided picture options, the user is more or completely satisfied.

**Rank:** 7.

**ID:** 1.10

**Title:** Save availability.

**Description:** A user wishes to save a picture.

**Rationale:** It shouldn't matter if the picture is manipulated, converted or original. Neither should it matter if the picture was taken or loaded from the memory card, a user should always be able to his or her picture.

**Pre condition:** A user has a picture, manipulated or original, and wishes to save it.

**Post condition:** The picture is saved with the used filters and manipulation.

**Rank:** 5.