Requirements

ID: 1.01
Title: Activity is paused.
Description: Release shared resources when the activity is paused.
Dependencies:
Rationale: Crashes may occur, both in this application and others, when two applications try to share the same resource(s).
Pre condition: Acitivity is unused.
Post condition: Shared resources are released.

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.

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.

ID: 1.04
Title: Conversion limit.
Description: Make sure that the conversion of a picture doesn't take 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.

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.

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.

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.

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:

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.

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.