

ID	Title	Precondition	Postcondition	Description	Dependencies	Rationale	Rank
1	Activity is paused.	Activity is unused.	Release resources.	Release shared resources when activity is paused.		Can cause crashes for our and other applications trying to use shared resources.	1 ☹
2	Activity is resumed.	After activity has been paused we want to resume using this application	Released resources are initiated again.	Initiate resources when resuming an activity.	1: App has to be paused before so only onResume(); is called.	Without resources we can't use our app.	1
3	Image compression.	We want to show an image on the screen and the picture resolution > screen resolution.	Image is compressed to fit screen size.	Compress images.		RAM-memory is scarce.	5
4	Conversion timer.	User starts to convert an image.	Picture is converted in Δ time.	Make sure conversion with filter doesn't take too much time.	3: If image is uncompressed and large it will take longer time to convert.	We want a smooth application.	5
5	Orientation.	User wants to do something specific.	User finds a way to do this easily.	Make sure UI is logical and intuitive.		If it's too difficult to use app no one will use it.	7
6	App size.	User wants to install the application on phone with low app memory.	Successfully installed application.	Make sure images and /res/* is compressed and no unnecessary large.		No one wants an application to take unnecessary space on app storage.	4
7	Offline mode.	User wants to take picture without uploading it.	Picture is taken and saved without the need for uploading services.	No internet needed to start application.	9: If we can't upload we don't need any offline mode.	Because data transfer is not available everywhere.	10
8	Filter options.	User want ascii signs to be larger and fewer.	User changes a filter compression setting.	An option is needed to change size on ascii output.	3: Larger pictures may need larger signs.	Larger pictures may look bad with too small ascii signs.	8
9	Share options.	User took a cool picture and wants to share it on flickr/FB.	User shared picture easily from application.	Upload-button when viewing converted picture.	7: not available in offline mode.	Today's society is heavily influenced by social media.	9
10	Save pictures.	User took a nice picture and want to save it without filtering it.	User pressed save button and picture is saved without filter.	Save picture-button when picture is taken and we are previewing it.	3: We can't compress taken picture cause data loss.	The app uses the camera and filter should be extra effective.	3

