**FACULTY OF SCIENCE AND ENGINEERING**



**SEMESTER 2, 2014**

**INN348 - Mobile App Development**

**Assignment 1: App Design and Prototype**

**Due Date: Friday (Week 7)**

**Submission Method: In-class (Digital Files & Presentation)**

**Weight: 40% Overall Grade**

**DECLARATION**

You must sign below. By signing this form you agree to the following:

• I/We declare that all of the work submitted for this assignment is our own original work except for material that is explicitly referenced and for which we have permission, or which is freely available (and also referenced).

• I/We agree that QUT may archive this assignment for an indefinite period of time, and use it in the future for educational purposes including, but not limited to: as an example of previous work; as the basis for assignments, lectures or tutorials; for comparison when scanning for plagiarism, etc.

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The assignment should be attempted in a team of 2-3 students, and it is highly recommended that each team has the device you are developing for. Individual submission or a group of more than 3 is strongly discouraged. Consult with your tutor and unit coordinator if you have any issues.

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| --- | --- | --- |
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| **Student Number** | **Student Name** | **Signature** |
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Silenciar

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# Part A: Review of Current Mobile Applications

## Task 1 – Review of 10 Related Mobile Applications

|  |  |
| --- | --- |
| **Name** | http://www.oneclickroot.com/wp-content/uploads/2013/09/criticall.pngCriticall free |
| **URL** | <https://play.google.com/store/apps/details?id=com.criticalltrial> |
| **Platform** | Android |
| **Price** | Free |
| **Category** | Utility |
| **Description on Google Play** | Tired of your phone waking you up in the middle of the night? Do you turn your phone to silent but worry about missing an emergency call from your kids, parents, significant other? Afraid to turn the volume on your phone down for fear you’ll miss that call or text from an important client?  “Fortunately, with CritiCall, those worries become a thing of the past.” – Android Authority, 10/21/12  Rest easy and sleep peacefully knowing you’ll never miss a critical call or text again. Set critical contacts so your phone will ring when those contacts call or text, even when your phone is on silent.   CritiCall is relied on by members of search and rescue teams, expectant fathers, people with older or sick family members, parents, and business professionals to ensure they never miss “that” call. |

#### Screenshots

#### Pros

#### Cons

|  |  |
| --- | --- |
| **Name** | Phone Silencer |
| **URL** | <https://play.google.com/store/apps/details?id=org.peterbaldwin.silencer> |
| **Platform** | Android |
| **Price** | Free |
| **Category** | Utility |
| **Description on Google Play** | Have you ever missed an important call because your ringer was off? Don't let it happen again! When this application is installed, each time you turn your ringer off you will be asked how long you would like your phone to be silent. After that period of time has passed, your ringer will be automatically turned back on.professionals to ensure they never miss “that” call. |

#### Screenshots

#### Pros

#### Cons

|  |  |
| --- | --- |
| **Name** | Silencer - Shake to Mute Calls |
| **URL** | <https://play.google.com/store/apps/details?id=org.pielot.silencerbeta> |
| **Platform** | Android |
| **Price** | Free |
| **Category** | Utility |
| **Description on Google Play** | Silence your phone with a single slap!  Handy when your phone rings in the middle of class or a meeting!  \* Mute phone with a slap on incoming call  \* Silence custom notification sounds with a slap, too! (only works on 4.3 or higher, requires new permissions)  \* Previous mode (silent, vibration, sound) is restored after call / notification rang out  \* Automatically calibrates the sensitiveness on each incoming call, so that you don't miss calls while you are running, etc. (NEW: can be disabled)  \* Automatically restarts when the phone is restarted, so you never have to remember to turn it on again after starting the phone  \* Silencer stays enabled after update |

#### Screenshots

#### Pros

#### Cons

|  |  |
| --- | --- |
| **Name** | Silencer Ringtone |
| **URL** | <https://play.google.com/store/apps/details?id=com.HighTouch.silencer> |
| **Platform** | Android |
| **Price** | Free (paid full version) |
| **Category** | Utility |
| **Description on Google Play** | Silencer  The best application to monitor incoming calls on your Android smartphone  Keep your smartphone with the screen facing down and it will never disturb you anymore.  Silencer allows to not disturb you from incoming calls with a simple gesture: when receiving a call, turn the phone with the screen facing down and your phone immediately stop ringing .  If you want, ask Silencer make silent all incoming calls whenever the phone is with the screen facing down: Silencer will do it for you.  In addition to the ring, if you wish, Silencer can stop the vibration of the phone, so no one will disturb you.  But it doesn't end here. If you want, Silencer can completely block incoming calls. Whenever someone tries to call you while the phone is with the screen facing down, Silencer immediately block the call. If you want, Silencer will automatically send a text message to the number you have blocked. Of course you can edit the text of the SMS according to your needs.  You are in a meeting? You are in good company? You're busy and you just cannot distract you? Do not worry, with Silencer, no one will ever bother you. Silencer is the application that's right for you. Try it and you cannot do without.  Amaze your friends, show that you can control your phone by simply turning it. They will be amazed!  In addition Silencer has a comfortable log where you can see the calls that have been blocked by the application.  Features - Keep silent incoming calls by turning the smartphone - Keep silent calls every time that your smartphone has the screen facing downwards  - Remove the vibration of incoming calls - Block calls not to be disturbed - Send a preset SMS to alert the person you're busy - Change the sms to suit your needs - Check the Log to know what calls you've blocked  - Supported Language: English, Italian, Spanish, Portuguese |

#### Screenshots

#### Pros

#### Cons

|  |  |
| --- | --- |
| **Name** | Smart Silencer |
| **URL** | <https://play.google.com/store/apps/details?id=com.geekapps.silencer> |
| **Platform** | Android |
| **Price** | Free |
| **Category** | Utility |
| **Description on Google Play** | Do you want to put your phone on silent mode, but yet you want your phone to ring when some important contact like family or a spouse calls? Do you put your phone on silent in meeting/in a movie but often forget to put it back on ringer mode, and miss some important calls from important contacts? Then this app is the solution.  HOW THIS WORKS ? you can add number in application settings for which you want your phone to ring even when your phone is in silent mode. and start the application service by clicking icon on application dashboard. thats it.  now whenever your phone is on silent mode and call comes from the number you have added to application settings,your phone will ring...  NOW PUT YOUR PHONE ON SILENT MODE WITHOUT MISSING CALLS FROM IMPORTANT CONTACTS. |

#### Screenshots

#### Pros

#### Cons

## Task 2 - Summary of Reviews

(2-3 paragraphs to one page), what you would personally perceive as a well-designed and executed application. Draw from your own experience on why you would want to regularly use certain applications, even if it was converted from free to paid version.

You can discuss it from the perspective of design (i.e. aesthetic), usefulness, and usability (e.g. easy to use)

## Task 3 - Application Development Goals and Success Criteria

Based on this summary, please list in bullet points what you envisage as a good application, and what metrics you can gather from your app to gauge your success and achievements.

# Part B: Functional Prototype

## Task 1 – Executive Summary

Describe your app in ‘executive summary’ style

## Task 2 - Innovation

Its name, features and functionalities, and who the intended users are. This should be a paragraph or two.

## Task 3 - Use Case Scenarios

How the screens are used to accomplish tasks.

## Task 4 - Information Architecture

How the information flows from user inputs, storage and processing.

## Task 5 - Static Prototype

**The entire app's interaction flow** (common submission formats include OmniGraffle, Adobe Photoshop, Adobe Illustrator, Xcode Storyboard, etc.).

For each screen, clearly show the interface and how the user will interact (gestures, keyboard, camera etc.) on that screen.

You should demonstrate the use of various UI components such as (**iOS**: "Tab Bar Controller”, “Navigation Controller”, “Table Views” etc.; **Android**: "Toast", "Action Bar" etc., **Windows:** "Radial Menu", "Hud Tile" etc.).

It is expected for you to show us that the interface design and interaction flow to be completely fleshed out and thought through in the static prototype.

## Task 6 - Interactive Prototype of 2 Key Features

For example if you are creating a note taking app, one prototype can show how the app handles creation and deletion of notes, second prototype can show the interaction of applying text style (bold, italics) to text in notes.

Interactive prototypes need to be running on the simulator and/or on the actual device you are developing for.

## Task 7 – Progress Towards Development Goals and Success Criteria

Discuss how your design would meet your development goals and success criteria.