

**Higher Diploma in Computing, DT265**

Programming for Mobile and Smart Devices

**Coursework 2 – User Interfaces**

**Release Date**: 26th Oct 2017 (Wk7)

**Submission Date:** 23rd Nov 2017 (Wk11 / 4wks)

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| **Name:** |  | **Student Number:** |  |

Objectives:

Familiarize yourself with Android’s User Interface (UI) classes. Create a simple application that uses a variety of UI elements including: Buttons, TextViews and Checkboxes. You will also reinforce the knowledge you've gained in previous labs by implementing a larger portion of the application from scratch.

Coding:

**1. *ToDoManagerActivity.java***

onCreate()

|  |
| --- |
| Code here |

onActivityResult()

|  |
| --- |
| Code here |

**2. *ToDoListAdapter.java***

getView()

|  |
| --- |
| Code here |

**3. *AddToDoActivity.java***

onClick() for cancelButton

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| --- |
| Code here |

onClick() for resetButton

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| --- |
| Code here |

onClick() for submitButton

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| --- |
| Code here |

**Testing:**

TestSubmit LogCat Output:

11-25 19:31:39.544 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered fab.OnClickListener.onClick()

11-25 19:31:44.127 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered submitButton.OnClickListener.onClick()

11-25 19:31:44.794 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered onActivityResult()

(missing one)

TestReset LogCat Output:

11-25 19:32:45.408 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered fab.OnClickListener.onClick()

11-25 19:32:51.115 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered resetButton.OnClickListener.onClick()

11-25 19:32:54.273 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered submitButton.OnClickListener.onClick()

11-25 19:32:54.964 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered onActivityResult()

11-25 19:33:00.959 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: logMessage : Entered onCheckedChanged()

Missing one

TestCancel LogCat Output:

11-25 19:33:39.892 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered fab.OnClickListener.onClick()

11-25 19:33:43.594 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered cancelButton.OnClickListener.onClick()

11-25 19:33:44.482 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered onActivityResult()

11-25 19:33:47.188 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered fab.OnClickListener.onClick()

11-25 19:33:50.533 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered submitButton.OnClickListener.onClick()

11-25 19:33:51.348 3816-3816/com.ditkevinstreet.todomanager I/Lab-UserInterface: Entered onActivityResult()

(missing one)

**Screenshots:**

Additional Functionality: