# CMSC 436 Quiz #5

Mar. 7, 2013

**Name**: _____  **Directory ID**: _____

## Problem 1

An Intent object is a bundle of information. It can contain information of component name, action, data, category, extras and flags. Explain the functionality of each type of information.[6pts]

*Solution:*

*Component name*: the name of the component that should handle the intent.

*Action*: A string naming the action to be performed or the action that took place and is being reported in the case of broadcast intents.

*Data*: the URI of the data to be acted on and the MIME type of that data.

*Category*: A string containing additional information about the kind of component that should handle the intent.

*Extras*: Key-value pairs for additional information that should be delivered to the component handling the intent.

*Flags*: Flags of various sorts. Many instruct the Android system how to launch an activity and how to treat it after it's launched.

## Problem 2

What is the difference between explicit intents and implicit intents? [4pts]

*Solution:*

Explicit intents designate the target component by its name and are typically used for application-internal messages. Implicit intents do not name a target and are often used to activate components in other applications.