School of Computer Science – Coursework Issue Sheet

Session	15-16	**Semester**	Autumn
Module Name	Software Application Development	**Code**	G52SAD
Module Convenor(s) **(CW Convenor in Bold)**	**Chen ZhiYuan**, Parhizkar Behrang (Hani)		

Coursework Name	Working with repository code	**Weight**	50%
Deliverable (a brief description of what is to be handed-in; e.g. 'software', 'report', 'presentation', etc.)	Source code check-in		
Format (summary of the technical format of deliverable, e.g. "C source code as zip file", "pdf file, 2000 word max", "ppt file, 10 slides max", etc.)	Java and associated source files		

Issue Date	Issued w/b 13th November (lecture 7)
Submission Date	Due: w/b 10th Dec 2015 at 4pm (lecture 11)
Submission Mechanism	Via repository for the code. Via Moodle
Late Policy **(University of Nottingham default will apply, if blank)**	
Feedback Date	w/b 23rd December
Feedback Mechanism	Individual comments via grading system on Moodle.

Instructions	You are required to produce some compilable/runnable add-on component to the existing software. You will need to check out some code from a given repository, make some changes to it and check the source code back in to the repository. For coursework 2, GitHub is used as a central repository for coursework submissions. Each G52SAD participant will create an account on GitHub, fork (i.e., copy) the course repository, modify the skeleton files to complete assignments, and push the completed work back up to GitHub for marking. **Task Lists:** 1. Sign up for a free account on GitHub 2. Fork the G52SAD-Coursework2 Repository (zhiyuan99) 3. Add an appropriate open source licence file to the project 4. Complete coursework assignments

	5. Push the changes online to your Private Repository 6. Add me (zhiyuan99) as the collaborator **Coursework assignments:** The Photo Album The coursework assignment seeks to develop a simple digital photograph album using JavaFX. **Your task** is to modify the source code in G52SAD-Coursework2 Repository to create the Photo Album. Details of the design and functionality of the album are left to you, but your system should allow users to organise and browse a set of image files stored in some standard format (.jpg, .bmp, .tif, etc). Your solution might mimic the Windows image viewer, or include some of the more advanced features found in applications like Picasa. **Marks will be given for** **- The provision of effective tools to support the user in organizing the images in the album** **- The development of appropriate menu and toolbars to support browsing of the image set** **- The development of suitable dialogs to configure settings and handle any possible errors** **- Ease of understanding and use** You should also submit a 'notes' folder in your source tree, a VERY brief text file describing your reasons for choosing the licence and changes you have made in any classes you have altered. I will leave it up to you to justify the licencing – as long as your reasons match the licence specification that is fine. Changes explanation only needs to be two or three sentences per altered/added class, to summarise the work you have done. Notes: • * Your G52GRP supporting lectures included a section of video and some notes under lecture 3 which walk you through setting up a Git repository for your code. • If you use any non-standard libraries to implement the Controller or the Model you will need to include the relevant packages in your solution when you submit your work or you will be penalised. • GUI: details of developing GUIs will be taught to you throughout the coursework period. You may wish to think about adding a MySQL or other database to your system but this will not add anything to your final mark. Submission: You must check your changes back into your private Gitlab repository to submit. You should be using your repository anyway during developments, with appropriate comments to check in code. We will check for this. I (zhiyuan99) will need to be given access to your project – details will be provided in the lab. IN ADDITION, to confirm the submission time, you must zip up your source project folder and submit via the **Moodle**.
Assessment Criteria	Assessment will be both by examination of the submitted code, quality of submitted coursework assignments, and by brief viva. Viva will be individual and will occur on **10th Dec (3-6pm), 2015**. The purpose of the viva is to ensure you completed the work on your own, and you understand some fundamental concepts.

To achieve **top marks:**

You will need to have appropriately appliance class and any affected sections in the other classes, and appropriate coding conventions. Your use of Git and GitHub should be demonstrated (We will look at your repository, including looking for comments, number of check ins, and appropriate organisation of the source code tree.)

The GUI should be attractive, should function well and it should be easy to organize, browse and edit.

A good mark:

May consist of all of the areas mentioned above attempted well, but not fully operational, or not to their full potential. An excellent source code with poor repository use will not get excellent marks.

A pass mark:

To at least pass, you must show you have attempted to implement the required changes using sensible approaches, though the resulting code may not work or be completely finished.

Attributes	**Marks Allotted**	**Marks Awarded**
GitHub Submission	5	
Organizing Tools	10	
Browsing Menu & Toolbars	10	
Configuring Setting & Handling Errors	10	
Ease of understanding and use	5	
Viva	10	
	Total Marks	