

CSE-3216: Software Design Patterns

Assignment 03

Submitted to:

Dr. Mohammad Samiullah

Assistant Professor

Department of Computer Science and Engineering

University of Dhaka

Submitted by:

Kazi Shadman Sakib

Roll: FH-97

3rd Year

Department of Computer Science and Engineering

University of Dhaka

**Assumptions Made:**

* It is assumed that the user will choose the format of the file (.txt or .xml file)
* It is assumed that the user will choose the style of the items to display in the UI (Simple or High Detailed)
* The user has to give UI items, their values and their coordinates in the text file “formatTXT97.txt” or the XML file “formatXML97.xml”.
* Items that the user can create :
  + Button
  + Text field
  + Edit text field
* The user can create items using multiple parameters such as name, value, X, Y, height, width, font, fontSize.
* Format of TXT file should be :

Button,Click,X:200,Y:250,height:50,width:100,font:Arial,fontSize:18

Label,Kazi Shadman Sakib,X:150,Y:50,height:150,width:200,font:Arial,fontSize:18

* Format of XML file should be :

<components>

<Button value="Button 01" X="200" Y="50" height="50" width="100" font= "Arial" fontSize="18"/>

<Label value="Roll:97" X="150" Y="250" height="100" width="200" font= "Arial" fontSize="18"/>

</components>

* Displayed UI items can overlap each other and will not throw any exception
* Users will see a GUI after giving all the required inputs in the runtime console and in the configure files (.txt, .xml file).