King Saud University **College of Computer and Information Sciences** **Computer Science Department**	
CSC 113 - Project	**Second Semester** **1436-1437**
Phase #2 **Due 1 May**	

In this phase we would like to help the user to manage his events by designing an interface for the previously implemented planner system in phase one.

you are requested to design a program with a GUI (Graphical User Interface) that would enable the user to:

1. Register / Log in.
2. Add a new event to the planner.
3. View all upcoming events.
4. Search for an event by its ID.
5. Cancel an event from the planner.
6. Import events into the planner.
7. Export user's events to an external file.
8. Saves all the information for user's events in a text file (Save Agenda)

- **You should use the code you wrote previously (you can apply some modifications on your previous code, but not writing it from scratch)**

- **The GUI should have the same components and functionality as shown below. Use a neat layout. The design is up to you, be creative!**

First Frame, log in and register:

Close should save the session (save user list to file) and terminate

Each radio button activates the related components

Your Planner

YOUR PLANNER

○ Login   ○ New User

Login
User name: [   ]

Password: [   ]

(Login)

New User
First name: [   ]

Last name: [   ]

Email: [   ]

User name: [   ]

Password: [   ]

(Register)

Log in will take you to the second frame if successful

Register will add the user to user list and display an appropriate message in a message dialog

- **After login the Title is in the form "Name's Planner"**

Add Event:

- **Close deselects the current user, so the user need to log in again.**

JTabbedPane component

Radio button selects type of event, and activates components below if the type is Recurrent

JSpinner component

When clicked:

- the event will be added to the planner

- A message dialog shows success of add operation will appear

- All fields are cleared after the addition is complete

Tests' Planner

Event Title: CCIS Showoff

Event Description: An event to showcase projects of the students of the college of computer and information sciences

Start date: 01/05/2016

End date: 01/05/2016

Is it a Recurrent event? ○ Yes ● No

○ Daily ○ Weekly ○ Monthly

Duration:

Add Event
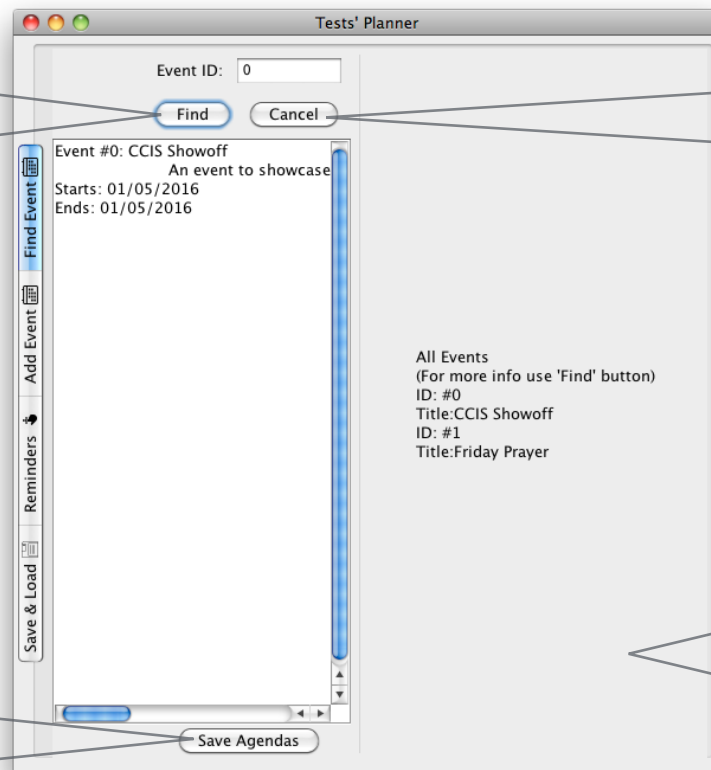
Find Event | Add Event | Reminders | Save & Load

Find and Cancel Event:

When Clicked:

The details of the event with the entered ID are shown in the textArea

When clicked:

the program will write the user's events in a text file and show a confirmation message

Tests' Planner

Event ID: 0

Find   Cancel

Find Event

Event #0: CCIS Showoff
                An event to showcase
Starts: 01/05/2016
Ends: 01/05/2016

Add Event

Reminders

Save & Load

All Events
(For more info use 'Find' button)
ID: #0
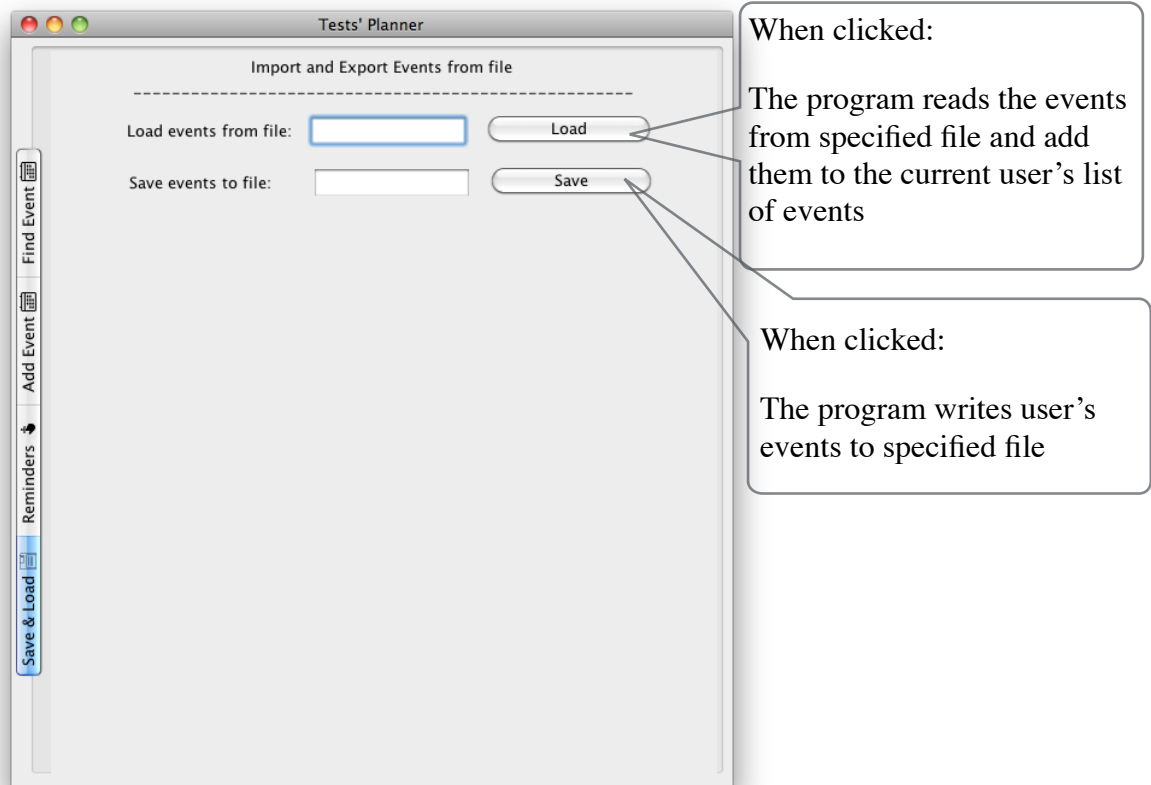Title:CCIS Showoff
ID: #1
Title:Friday Prayer
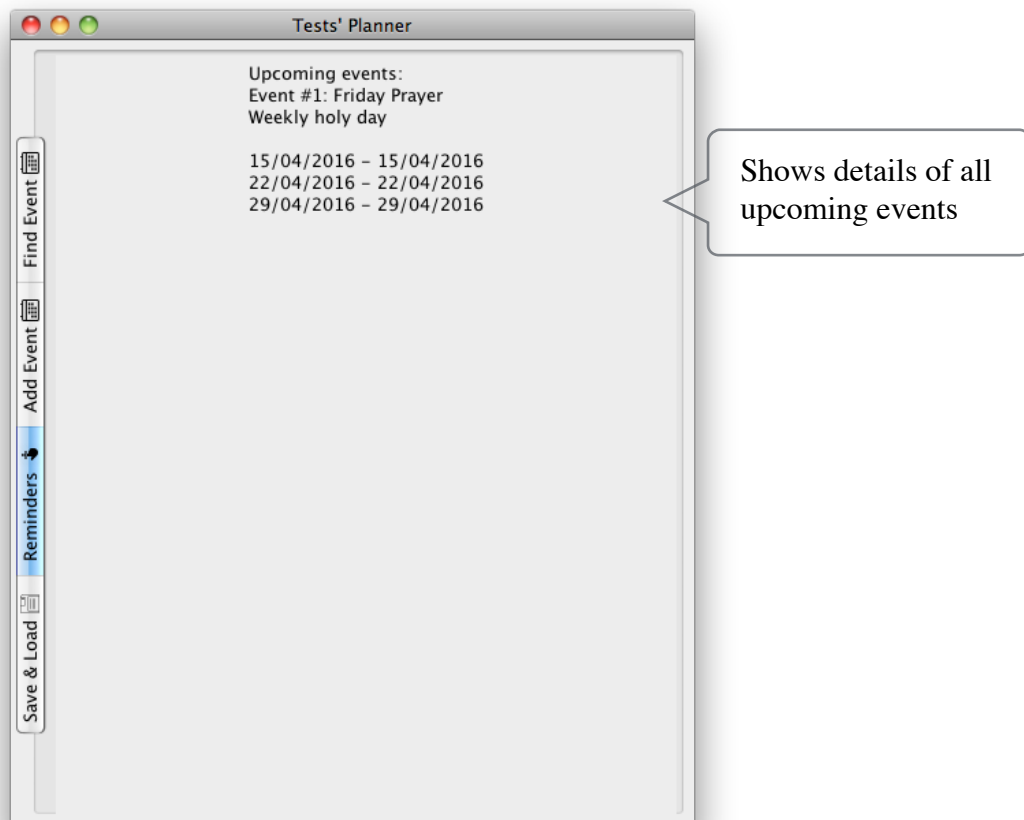
Save Agendas

When Clicked:

- The event with the entered ID will be removed

- The success of the operation will be shown in a message dialog

- Refresh the panel and textArea so the deleted event is not shown anymore

Shows summary of all events (id and event title)

Import/export Events:

Tests' Planner

Import and Export Events from file

Load events from file: [   ]   (Load)

Save events to file: [   ]   (Save)

When clicked:

The program reads the events from specified file and add them to the current user's list of events

When clicked:

The program writes user's events to specified file

Tabs (vertical): Find Event, Add Event, Reminders, Save & Load

Reminders:

Tests' Planner

Upcoming events:
Event #1: Friday Prayer
Weekly holy day

15/04/2016 – 15/04/2016
22/04/2016 – 22/04/2016
29/04/2016 – 29/04/2016

Shows details of all upcoming events

Tabs (vertical): Find Event, Add Event, Reminders, Save & Load

What to Submit:

    i.   The source code of your program.

    ii.   A report that includes the following (please download the report sample from the
        LMS):

o Introduction
o Implementation issues describing the GUI components used and the design of your GUI.
o Screenshots of your GUI