

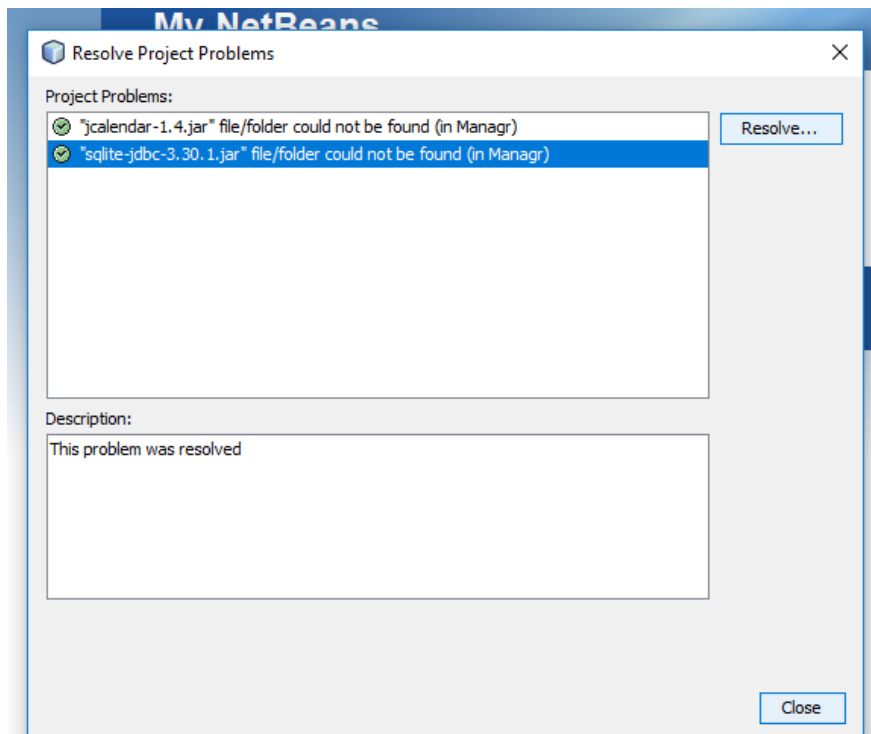
## Managrrrr

### About:

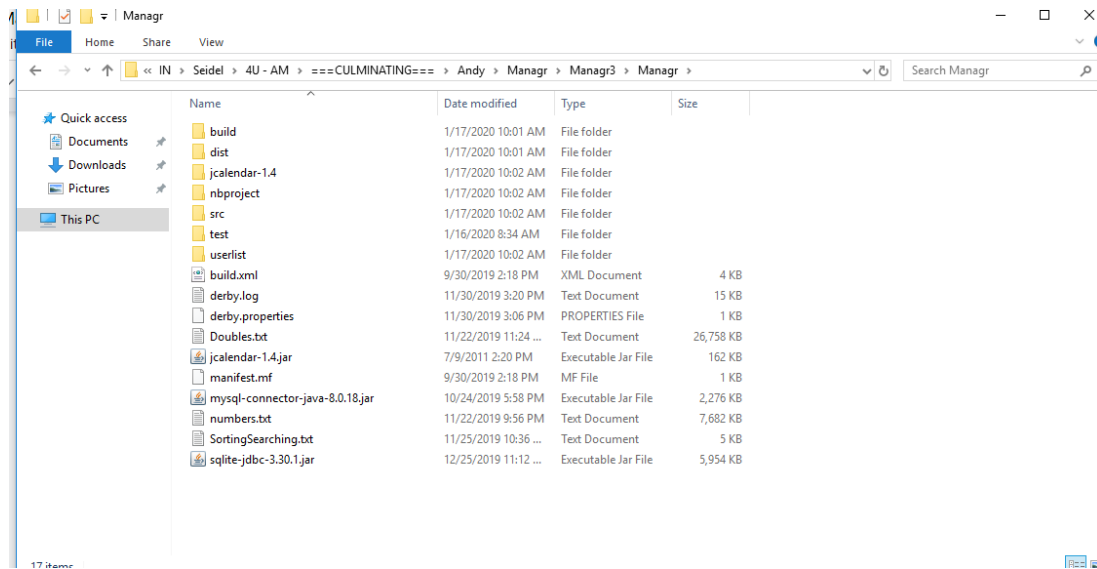
Managr is a time and task management app used by students in Ontario. Its interactive interface allows students to manage their schoolwork by generating priority lists and allowing students to make study plans.

### Note about running program:

When the NetBeans project is first opened, there will be a dialogue box asking you to resolve problems. Click "Resolve" and this message will show:



You must find the jcalendar-1.4.jar file and the sqlite-jdbc-3.30.1.jar files. To do this, click on one of the 2 jar files on the list (we will use the sqlite-jdbc-3.30.1.jar file as an example) and click resolve. Then go to the folder in which I have saved my main program (in the Andy folder in the ===CULMINATING=== folder). Go to the Managr folder and the Managr3 folder and then the Managr folder inside. This screen will show:



Click on the `sqlite-jdbc-3.30.1.jar` file to resolve. Then, repeat this exact same process with the `jcalendar-1.4.jar` file. Once both files are resolved, the program can run.

## Sign Up:

Please enter a username and password of length 10 characters or less

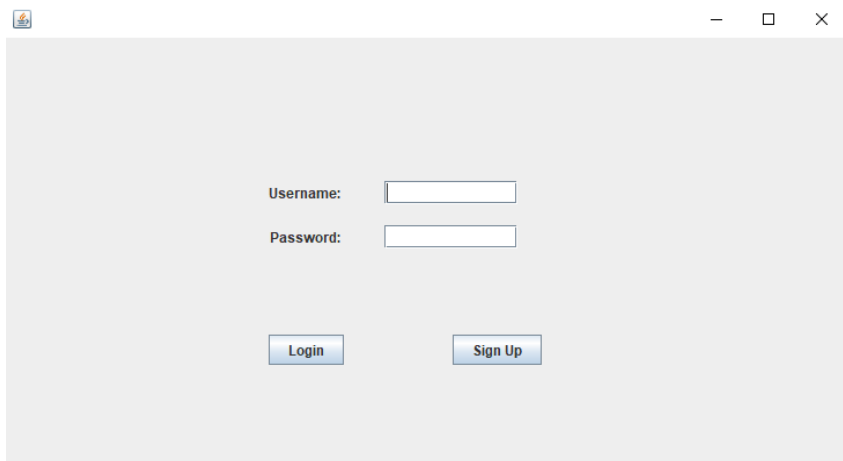
Enter Username:

Enter Password:

Confirm Password:

If the user does not already have an account, they may sign up with a username and password. Each must be 10 characters or less, and the user will not be allowed to sign up if the requirements are not met. In addition, the username must be unique, and if there already exists an account with the same username, the program will make the user choose a different username. The password must be entered twice (once as confirmation). Once sign up is successful, the user account is added to the program database.

## Login:

A screenshot of a login window. It has a light gray background and a dark blue border. At the top right are standard window control buttons (minimize, maximize, close). In the center, there are two text input fields. The first is labeled "Username:" and the second is labeled "Password:". Below these fields are two buttons: "Login" on the left and "Sign Up" on the right.

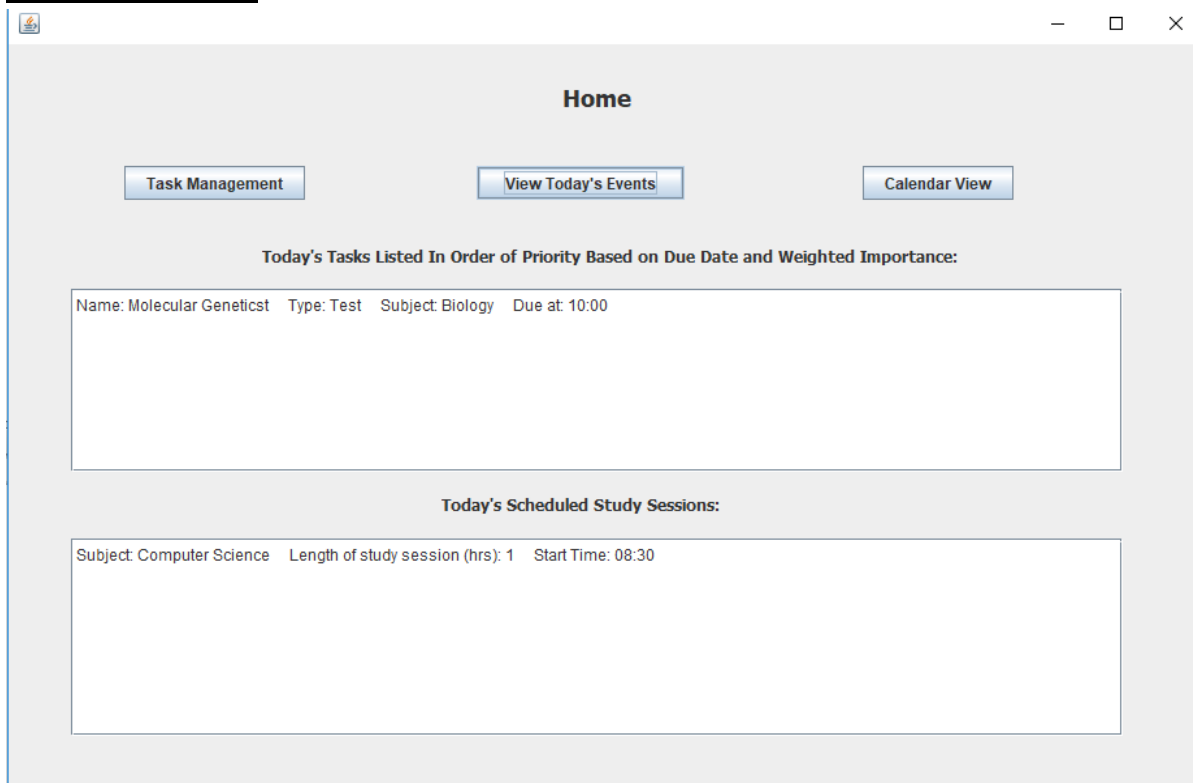
Username:

Password:

Login Sign Up

The login page asks for the username and password, and checks the database to see if there exists an account with the entered username and password.

## Home Screen:

A screenshot of the home screen window. It has a light gray background and a dark blue border. At the top right are standard window control buttons. Below the title bar, the word "Home" is centered. Underneath "Home" are three buttons: "Task Management", "View Today's Events", and "Calendar View". Below these buttons is a section titled "Today's Tasks Listed In Order of Priority Based on Due Date and Weighted Importance:". This section contains a table with one row of data: "Name: Molecular Geneticst", "Type: Test", "Subject: Biology", and "Due at: 10:00". Below this table is another section titled "Today's Scheduled Study Sessions:". This section contains a table with one row of data: "Subject: Computer Science", "Length of study session (hrs): 1", and "Start Time: 08:30".

Home

Task Management View Today's Events Calendar View

Today's Tasks Listed In Order of Priority Based on Due Date and Weighted Importance:

Name: Molecular Geneticst	Type: Test	Subject: Biology	Due at: 10:00
---------------------------	------------	------------------	---------------

Today's Scheduled Study Sessions:

Subject: Computer Science	Length of study session (hrs): 1	Start Time: 08:30
---------------------------	----------------------------------	-------------------

**Fig 1. The Home Screen window**

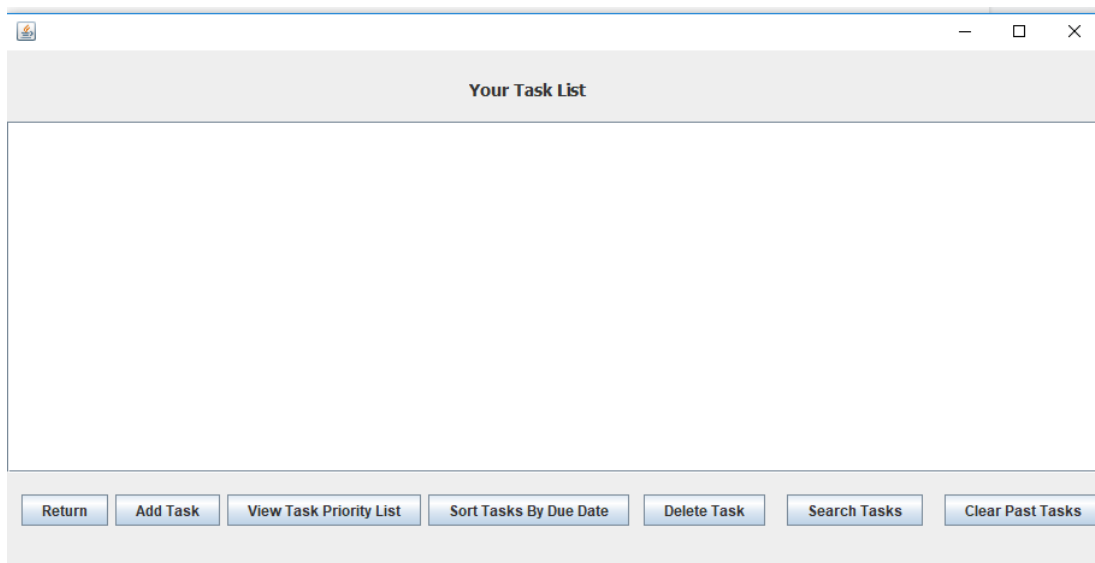
After logging in, the user will be taken to the home screen. This screen has three buttons at the top: *Task Management*, *View Today's Events*, and *Calendar View*. *Task Management* takes the user to a separate window, where they can view and manage their tasks and task priority lists. *Calendar View* takes the user to a separate window with a calendar and date picker, where they can view tasks by the day and create study sessions.

The *View Today's Events* button will display all the tasks due on the current day listed in descending order of priority (a combination of the proximity of the due date and the task's weighted importance). The tasks will be displayed in the first text pane labelled *Today's Tasks Listed In Order of Priority Based on Due Date and Weighted Importance*:

In addition, all study sessions planned for the current day are listed in order of their scheduled times (earliest to latest) in the text pane below titled *Today's Scheduled Study Sessions*:

### **Task Management:**

A window to manage all the user's tasks (tests, quizzes, homework, projects, etc.).



**Fig 2. The Task List window**

### **Adding Tasks:**

The screenshot shows a window titled "Add Task" with a close button in the top right corner. The form contains the following fields and controls:

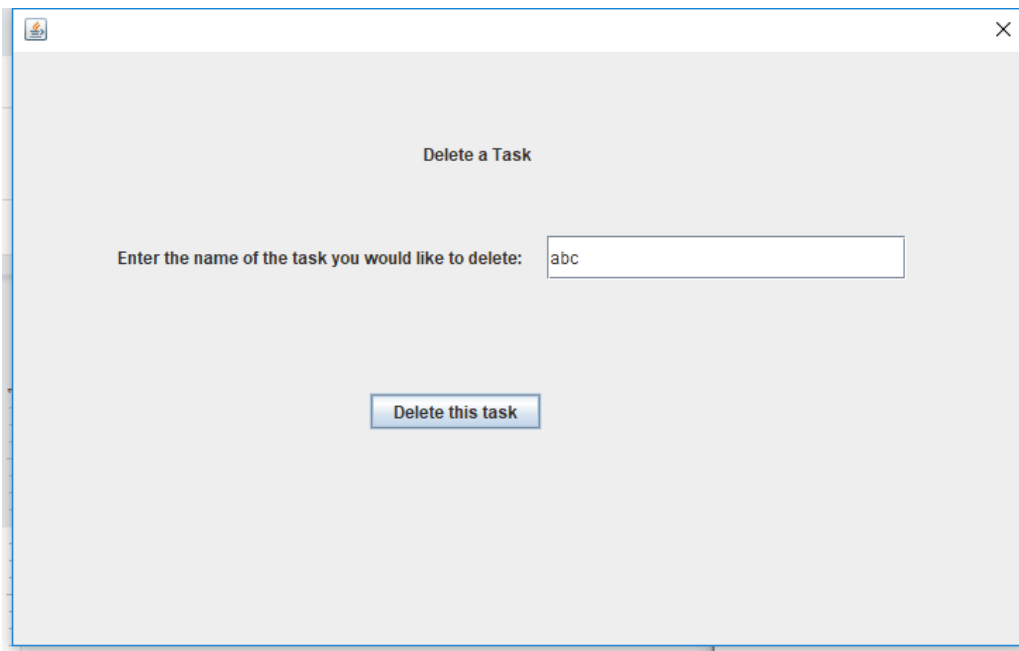
- Task Name:** A text input field containing "Molecular Geneticst".
- Subject:** A text input field containing "Biology".
- Task Type:** A dropdown menu currently set to "Test".
- Due Date:** A date picker showing "Jan 14, 2020" with a calendar icon.
- Due Hour (24 hr clock):** A dropdown menu set to "10".
- Due Minute:** A dropdown menu set to "00".
- Importance:** A section with the text "On a scale of 1-10, how important is this assignment to you?" and "You may either use the slider below, or click the button to use the default importance setting if you are not sure." It includes a horizontal slider from 0 to 10 with a handle at 9, and a radio button labeled "Use Default Importance Settings".
- Add Task:** A blue button at the bottom center.

On the home screen, the user may click the “Task Management” button to be taken to the tasks window. There, they may hit “Add Task” and fill out the resulting form, which asks for all task attributes (i.e., task type, task name, due date, subject, and importance). Note that the task name must be unique. If a task name already exists, the program will tell the user to rename the task. Task name and subject names must be less than or equal to 20 characters.

For rating the task importance, the user has two options. They can either manually rate it on a scale of 0-10 (10 being most important), or they can use the default importance ratings if they are unsure. By default, Exams and Culminatings are rated a 10, Tests and Projects are rated an 8, Quests are rated a 5, Assignments are rated a 6, Quizzes are rated 3, and Regular Homework is rated 2.

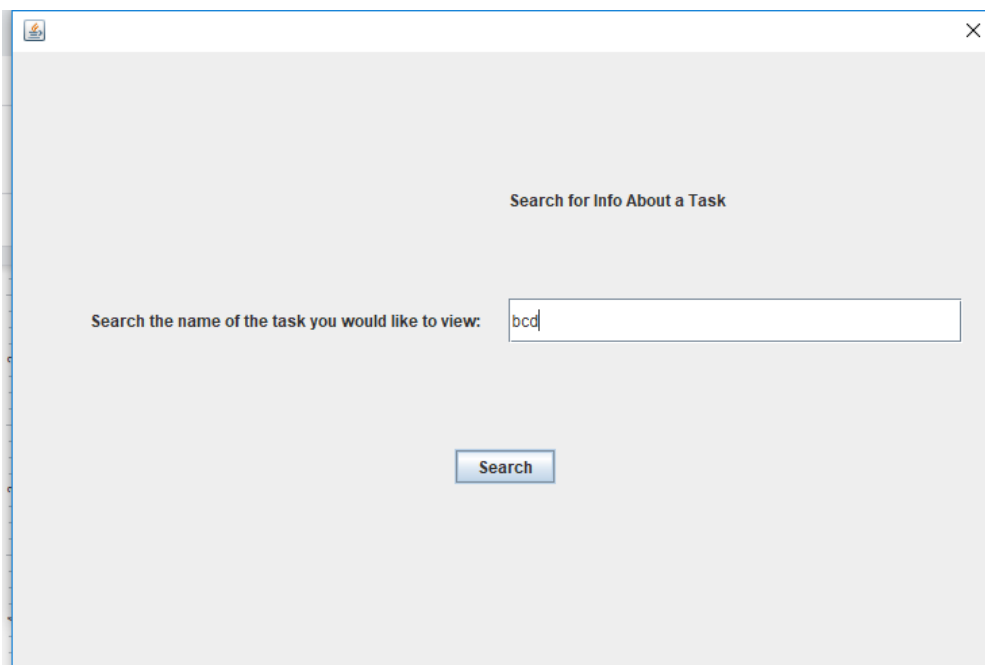
Once the entire field is filled in, the user may hit the “Add Task” button on that window to submit, and the task will be added to the user’s task list, which will be displayed on the screen.

### **Deleting Tasks:**



In the Task List window, there is a button to delete a task (*Delete Task*). To do this, the user must enter the name of the task they would like to delete. If the task name is found within their list, then it is removed. Otherwise, an error message is displayed to the user through a dialogue box. To see the new Task List (with the deleted task removed), click on *View Task Priority List* button or the *Sort Tasks By Due Date* button.

### Search Task:



On the Task List window, there is a button to *Search Tasks*. User may display a single task on the Task List text pane by searching up the name of the task. If the task name

exists, then only that task is displayed on the screen, with its detailed information including its name, the subject the task belongs to, the type of task, its due date, and the rated importance. If the task is not found, then an error message pops up.

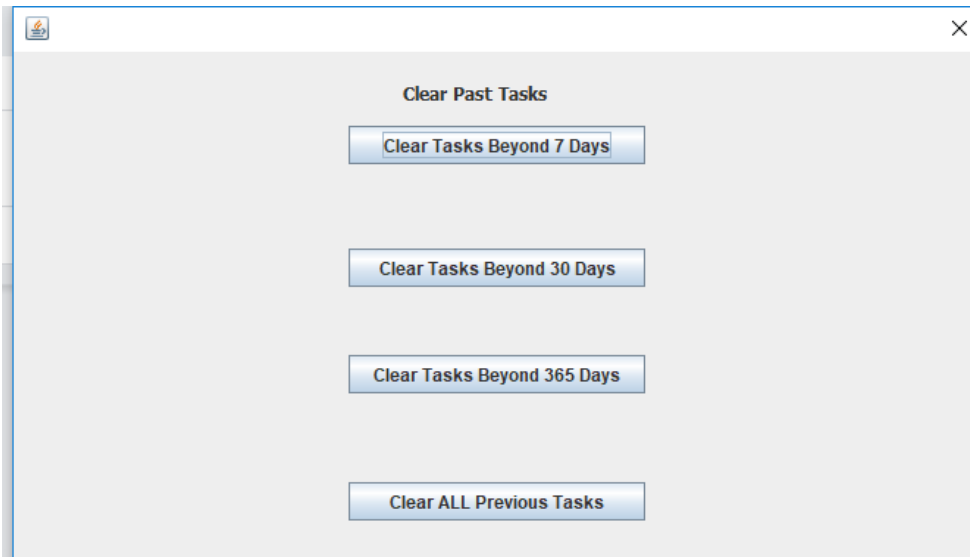
### About Priority Lists:

Your Task List		
Task name: Molecular Geneticst	Due Date: Tue Jan 14 10:00:06 EST 2020	Task Type: Test
Task name: loplk	Due Date: Wed Jan 15 06:00:44 EST 2020	Task Type: Exam
Task name: jhk	Due Date: Fri Jan 17 06:00:14 EST 2020	Task Type: Exam
Task name: homeostasis	Due Date: Fri Jan 17 09:30:01 EST 2020	Task Type: Quiz
Task name: df	Due Date: Fri Jan 24 06:00:56 EST 2020	Task Type: Exam
Task name: hu	Due Date: Wed Jan 22 10:30:00 EST 2020	Task Type: Quiz
ALREADY PAST DUE DATE Task name: nervous system work	Due Date: Thu Jan 09 08:30:00 EST 2020	Task Type: Regular Homework
ALREADY PAST DUE DATE Task name: dfgf	Due Date: Fri Jan 10 06:00:21 EST 2020	Task Type: Exam
ALREADY PAST DUE DATE Task name: ytuji	Due Date: Sat Jan 11 11:00:12 EST 2020	Task Type: Culminating

Return Add Task View Task Priority List Sort Tasks By Due Date Delete Task Search Tasks Clear Past Tasks

The user can generate two types of sorted task lists. One in which the tasks are sorted in decreasing order by the priority index (takes into account the task weighting out of 10 and its due date proximity), and one sorted by task due dates, with tasks that have the closest deadlines being displayed at the top of the list. To generate the former list in the task display panel, click the *View Task Priority List* button. To generate the latter, click *Sort Tasks By Due Date* button. Tasks already past their due date are labelled *ALREADY PAST DUE* at the beginning.

### Clear Past Tasks:



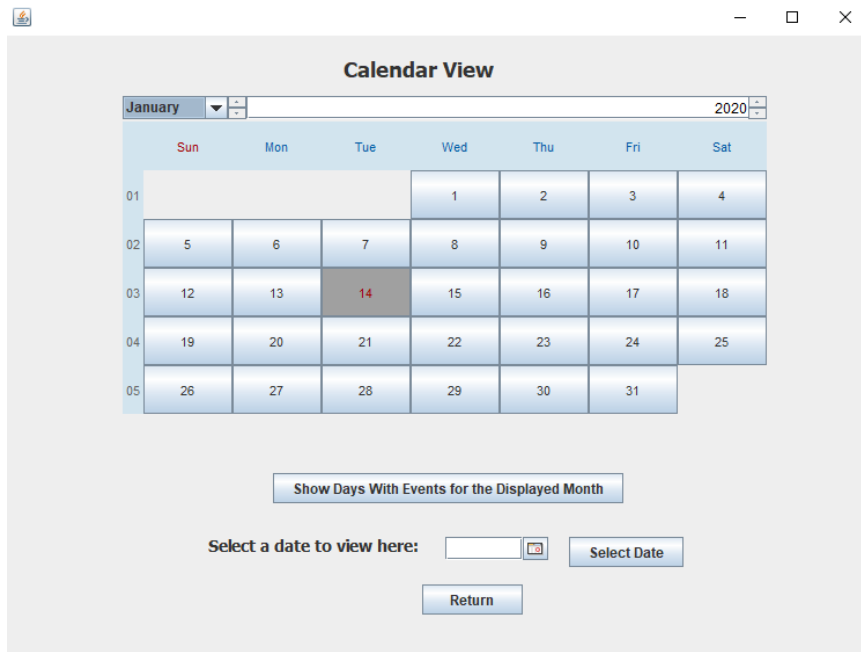
When the user clicks the *Clear Past Tasks* button on the Task List window, a new dialogue window is displayed with four buttons. Users will have the option to clear (delete) all tasks that are beyond 7, 30, 365 days old, or clear all the tasks that have a due date that has passed. The respective buttons will prompt the user on whether they want to proceed with clearing those tasks. If the user wishes to continue, all the older tasks beyond the specified time period will be deleted from the database and the user's task list. To see the new Task List displayed with all the past due tasks deleted, click *Sort Tasks By Due Date* button or *View Task Priority List* button.

**Return Button:**

The user may click the *Return* button to return to the Home Screen.

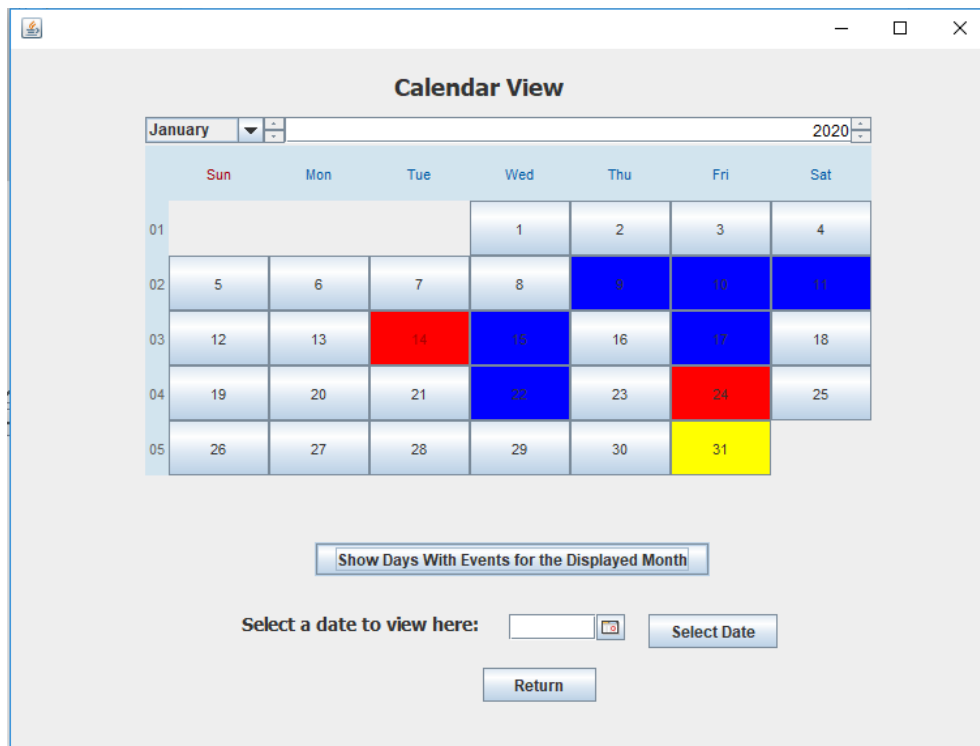
**Calendar View:**





**Fig 3. The Calendar View window**

### About the Calendar:



The calendar view shows a monthly calendar. Beneath the calendar, there is a button called *Show Days With Events for the Displayed Month*. When the user clicks this button, the calendar will display which days of the current month have events (Tasks or Study Sessions) on them. Dates with the background coloured **blue** indicate days with

tasks due, but no scheduled study sessions. Days coloured in **yellow** indicate days with no tasks due, but with study sessions scheduled. Days coloured in **red** indicate days with both tasks due and study sessions scheduled. Once the user displays a different month on the calendar, the user may click the *Show Days With Events for the Displayed Month* button again to display the days with events for the new month.

### Select a Date:

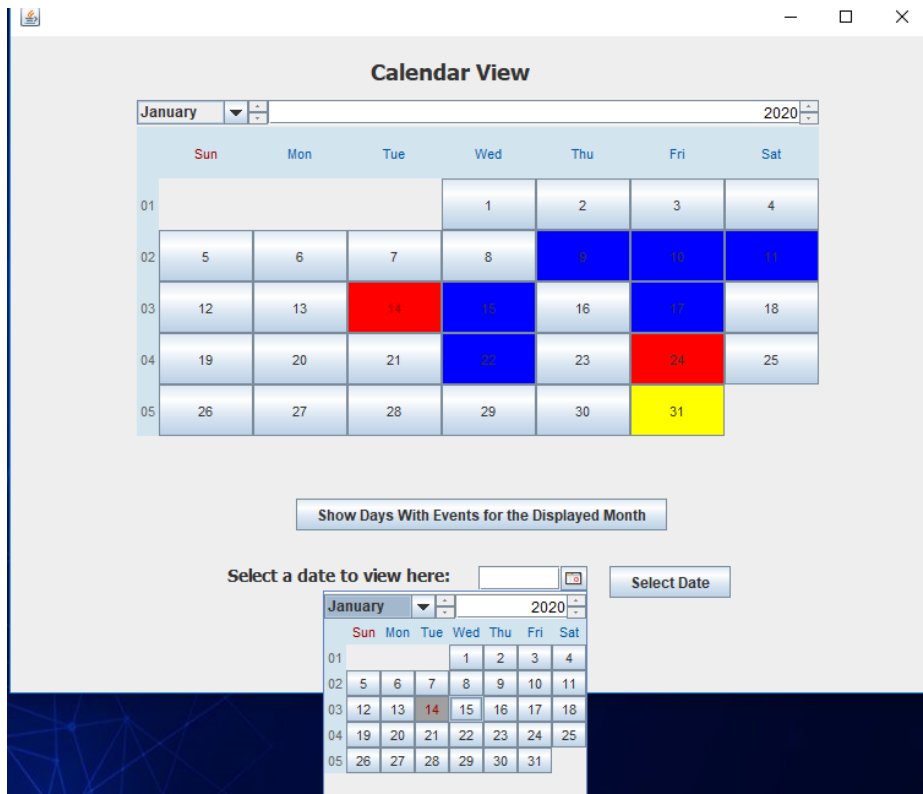
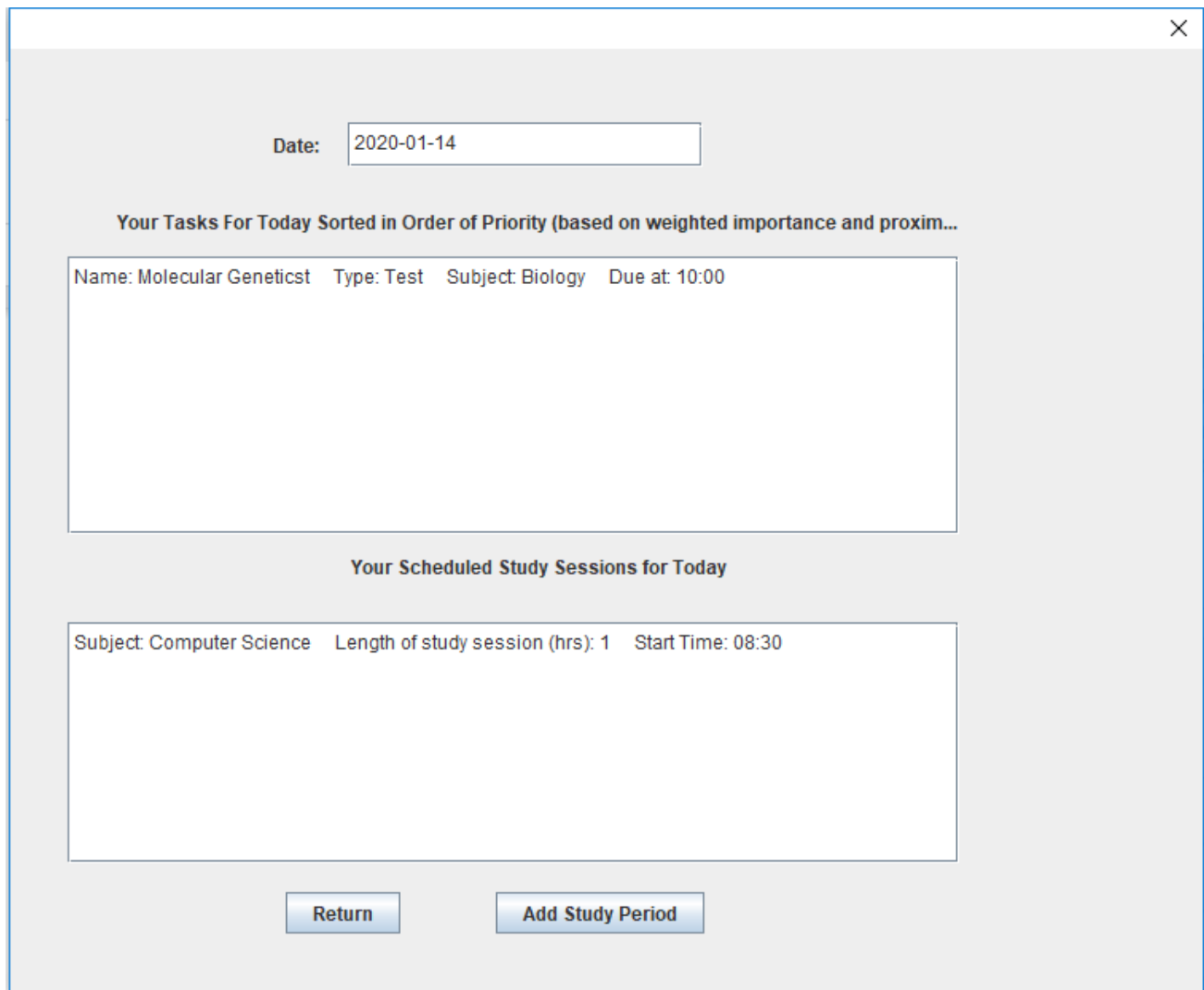


Fig 4. Picking a date with the date selector



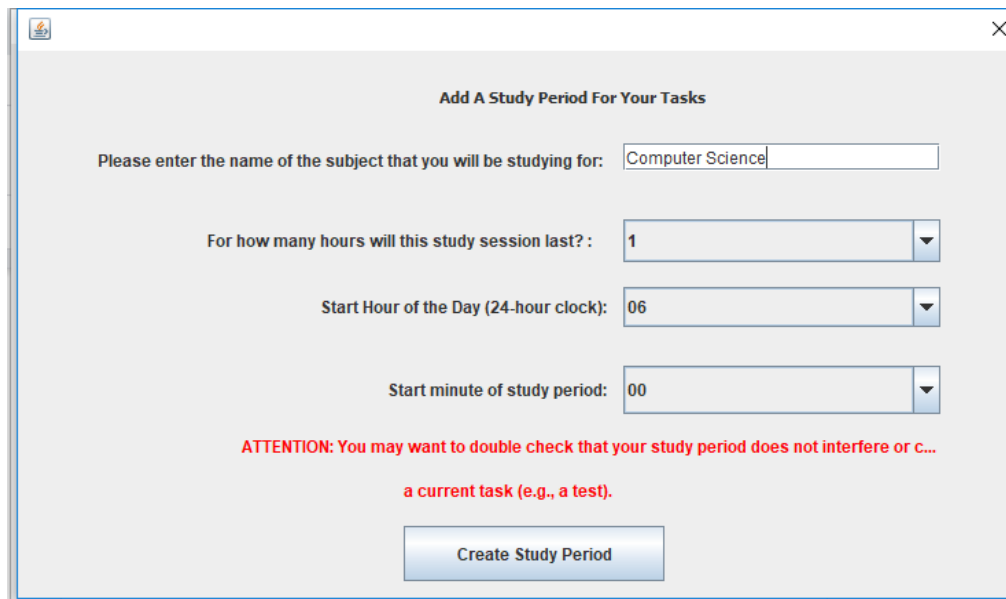
A screenshot of a software window titled "Date Window for January 14, 2020". The window has a light gray background and a blue border. At the top right is a close button (X). Below the title bar, there is a "Date:" label followed by a text input field containing "2020-01-14". Underneath this is a section header: "Your Tasks For Today Sorted in Order of Priority (based on weighted importance and proxim...". Below the header is a white rectangular box containing the text: "Name: Molecular Geneticst Type: Test Subject: Biology Due at: 10:00". Below this box is another section header: "Your Scheduled Study Sessions for Today". Underneath is another white rectangular box containing the text: "Subject: Computer Science Length of study session (hrs): 1 Start Time: 08:30". At the bottom of the window are two buttons: "Return" and "Add Study Period".

**Fig 5. Date Window for January 14, 2020**

Below the calendar, there is a date selector. Once a date is selected, the user may click *Select Date*, which will open up a dialogue box displaying all the tasks and study sessions for that day. Tasks are sorted in decreasing order according to their priority index (a combination of both due date proximity and their weighted importance). Study sessions are sorted according to the time of day when they are scheduled for, from earliest to latest in the day.

To close the date window, the user may click the *Return* button.

## Creating A Study Plan:



**Add A Study Period For Your Tasks**

Please enter the name of the subject that you will be studying for:

For how many hours will this study session last? :

Start Hour of the Day (24-hour clock):

Start minute of study period:

**ATTENTION: You may want to double check that your study period does not interfere or C...  
a current task (e.g., a test).**

**Create Study Period**

In the date date dialogue box, there is a button labelled *Add Study Period*. After clicking this button, the user will be taken to a dialogue box where they can add a study session. To add a study session, the user must add a subject name (the subject for which the study session is intended to be for, max 20 characters in length), the length of the study session (how many hours), the start hour of the study session in a 24-hour system, and the start minute of the session. Once everything is filled out, the user can click *Create Study Period* at the bottom of the dialogue box to add the study session to their list and to the database.

**IMPORTANT NOTE:** Unlike with Tasks, each time the user logs in, Study sessions are **AUTOMATICALLY** cleared from the database and user list if they are on an earlier date than the current date.

### **Return Button:**

The *Return* button on the calendar window returns users to the Home Screen.

### **Exit App:**

To exit the app and log out, simply close the app window.