

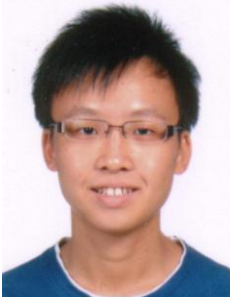




A User Manual

V 0.1

				
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SeamPLE

QuickStart

Find

- find [detail]
- -f [detail]

ADD

- add [task]
- [task]

Display

- disp [period]

Mark

- mark [task]
- mark [period]

Edit

- edit [task]
- -e [task]

Delete

- del [task]
- -d [task]

Redo

- redo

Undo

- undo

ShortCut Hot Keys

Ctrl + S

Switch between standard and SeamPLE view

Ctrl + Shift + S

Show or Hide SeamPLE console

Ctrl + Shift + Z

Add currently selected text to task

Important

What is SeamPLE Software?

SeamPLE is a todo list widget that is aimed at allowing users (you!) to have total control over day-to-day events. We help you achieve this through our simplistic yet intuitive user interface, as well as our intelligible widget command list.

Getting SeamPLE to run

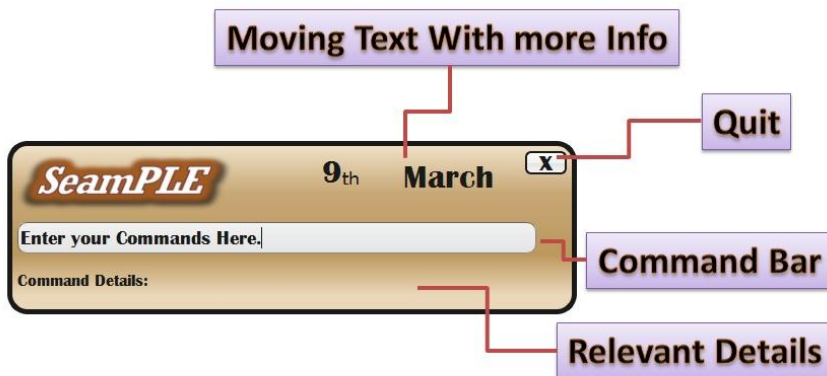
Operating System Requirement: WindowsXP/WindowsVista/Windows7[RECOMMENDED]

To run the program, double click SeamPLE.exe icon. (Simple, ain't it?)

Experiencing SeamPLE

There are two views to our SeamPLE application: **SeamPLE view** and **Standard view**

SeamPLE view



Standard view



SeamPLE view is seen most regularly as a toolbar notification while **Standard view** is seen only when the program is maximised.



Using the Standard view offers the user more customization options, such as having the ability to check through the day's events and tasks or even searching for an event that is keyed into SeamPle previously. The SeamPLE view offers the user an alternate and more convenient way of using the program, by allowing the user to issue commands quickly without the need for maximizing the widget view.

To view the different commands that can be used with SeamPLE, please flip to the next page.

Command Walkthrough

ADD



Description: Use this command to add a specific task that you want.
Just type the detail that you want and SeamPLE will help you to manage them!

```
Command : add [task] [date] [category] [time] [priority] 
          : [task] [date] [category] [time] [priority] 
```

Ex: add dinner With mary → Add task into today's list of things to do.
 Meet investors Monday → Add task into the upcoming Moday.

Edit



Description: Use this command to edit any details of a specific task.
Just type the details that you want to edit and SeamPLE will update accordingly!
Navigate across fields that you wish to edit with the **tab** button.

```
Command : edit [task] [date] [category] [time] [priority] 
          : -e   [task] [date] [category] [time] [priority] 
```

Ex: Edit meeting HIGH → Edit task's Priority to be high .
 -e homework Monday → Edit task's Date into the upcoming Moday.

Delete



Description: Use this command to delete any specific task.
Just type the task with the ID that you want to delete and SeamPLE will clear them!


```
Command : del [task ID] 
          : -d   [task ID] 
```




Ex: del 101 → Delete Task "Tennis with Jamie" . (Task embedded with ID 101 is deleted)
 -d 34 → Delete Task "Walk dog". (Task embedded with ID 34 is deleted)

Find

Description: Use this command to find a specific task that you want or even list out several task with the same category. Just type the detail that you want and SeamPLE will help you list all of them!

```
Command : find [category] , find [event name] ,  


        find [event ID]   


        : -f [category] , -f [event name] , -f [event ID] 
```

Ex: Find meeting → List all tasks that contains the word “meeting”
 Find 101 → Show the task “Tennis with Jamie”.

Display

Description: Use this command to display all tasks

```
Command : dsp   

        : display 
```

Ex: dsp → Show all tasks that are saved in text file

Mark

Description: Use this command to mark/unmark your events/tasks. You can mark the tasks that you have done and put it in archive and also unmark an event if you accidentally mark it done. Besides that you can also mark all the past events or tasks that have passed it's deadline.

```
Command : mark [task] [period] 
```

Ex: mark meeting with John → Mark “meeting with John” event done
 mark yesterday → Mark all yesterday events/tasks done.

Note : command in red is optional. But you have to provide at least one of it to guarantee that the command you want is executed.

Undo

Description: To revert the latest change made by the user. To allow the user to reverse the command of the also cancel or reverse the last command added

Command : undo



Redo

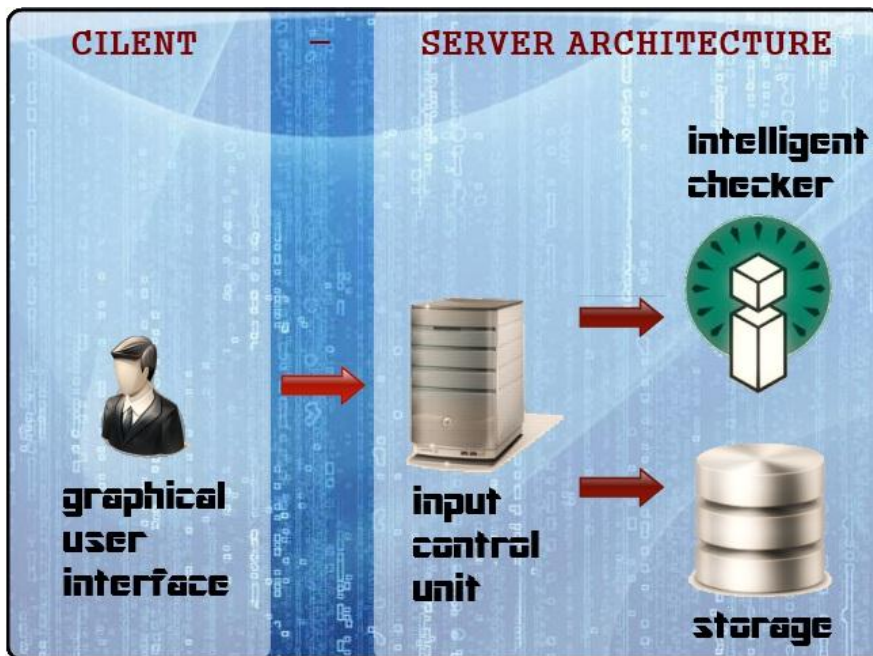
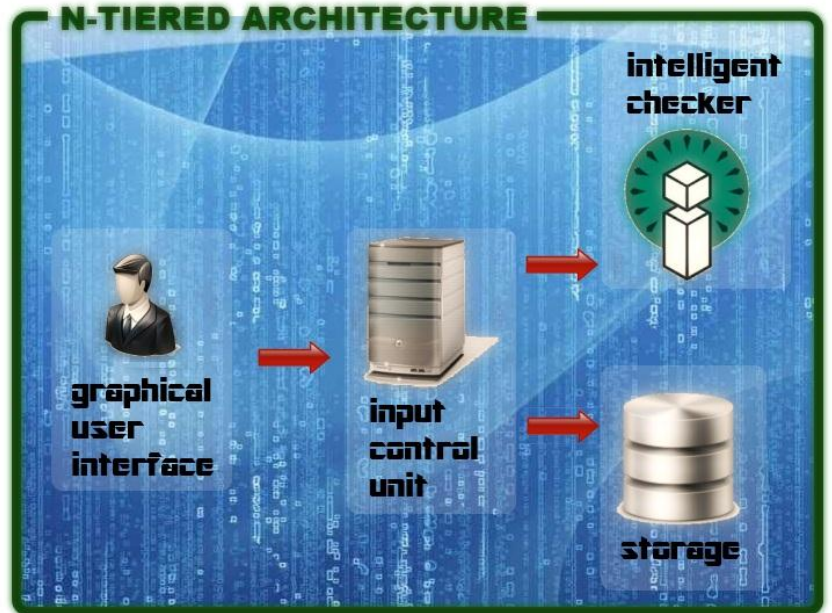
Description: To reverse an undo operation

Command : redo



Architectural Style

ScamPLE utilizes the N-Tiered Architectural style to power its operations. Starting with the highest level, users interact with various **Graphical User Interfaces (GUI)** that have been prepared specially for them. This input is sent to the **Input Control Unit (ICU)** which takes control of this input and decides whether it should be sent to the **Intelligent Checker (IC)** for validating the input or the **storage** for running the user inputs and storing or retrieving the appropriate details.



ScamPLE has been cleverly engineered to suit developers' needs and purposes. By adopting the approach of attaining minimum coupling between the **GUI** and the **ICU**, we allow the **GUI** and other components of the products to be easily exchangeable with other developer created classes. The "Client" Component, as represented by the **GUI**, can be easily exchanged with other developer created **GUI** or even the command prompt. The "Server" component, as represented by the rest of our system, can be replaced by developer classes to process any possible user inputs.

Next, we'll be looking at the overall class diagram of **ScamPLE**. The class diagram is an essential tool for any prospective developers to continue development or to create new innovations from our system.



API Descriptions

Next, we look at possible API descriptions for our program. The API descriptions support what we have implemented in the class diagram above. These descriptions can be used for further implementation (extending on current purposes) and testing (for writing stubs that emulates component behavior)

GUI CONTROL class

send

Description

Function to display feedback to users through the GUI. Call this function when a component wants to interact with the user. API will display all elements accordingly.

Syntax

`void send(QVector <QString> feedback)`

Input value(s): QVector of Qstrings containing feedback strings

Return values (s) : None. Output displayed by GUI

passScheduler

Description

Event trigger function when “enter” key is pressed. Function will call scheduler to execute user’s command.

Syntax

`void passScheduler(QString input)`

Input value(s): Qstrings containing user command input

Return values (s) : None. Output displayed by GUI

check

Description

Calls for intellisense.check to parse user command input.

Syntax

`void check(QString input)`

Input value(s): Qstrings containing user command input

Return values (s) : None.

INTELLISENSE class

check

Description

Parses user’s command input in the textfield into Action files

Syntax

`Action check(string query)`

Input value(s): String containing user command input
Return values (s) : None.

getParameter

Description

Determine the input requirements from user command input and generates a feedback string to inform the user of the required fields.

Syntax

string getParameter()

Input value(s): None

Return values (s) : String of colour coded feedback indications

SCHEDULER class

executeCommand

Description

Performs the relevant actions based on the type of operation, input fields.

Syntax

vector<string> executeCommand(Action newaction)

Input value(s): Action class containing input field information

Return values (s) : Vector of string containing feedback messages depending on operation.

Calender

addItem

Description

Stores a user task into the database.

Syntax

bool addItem(task currentTask)

Input value(s): task class containing input field information

Return values (s) : Boolean true if operation is successful false otherwise.

deleteItem

Description

Remove a user task from the database .

Syntax

bool deleteItem(int taskID)

Input value(s): task class containing input field information

Return values (s) : Boolean true if operation is successful false otherwise.

editTask

Description

Edit a user task in the database .

Syntax

bool editTask(**task** edited)

Input value(s): task class containing input field information

Return values (s) : Boolean true if operation is successful false otherwise.

displayDatabase

Description

Display all user tasks in the database .

Syntax

vector<**task**> displayDatabase()

Input value(s): None

Return values (s) : Vector containing all task information

CALENDAR class

SearchByTask

Description

Search all user tasks in the database based on task ID.

Syntax

vector<**task**> SearchByTask(**string** searchItem)

Input value(s): string containing search field

Return values (s) : Vector containing all task information

SearchByCat

Description

Search all user tasks in the database based on task category.

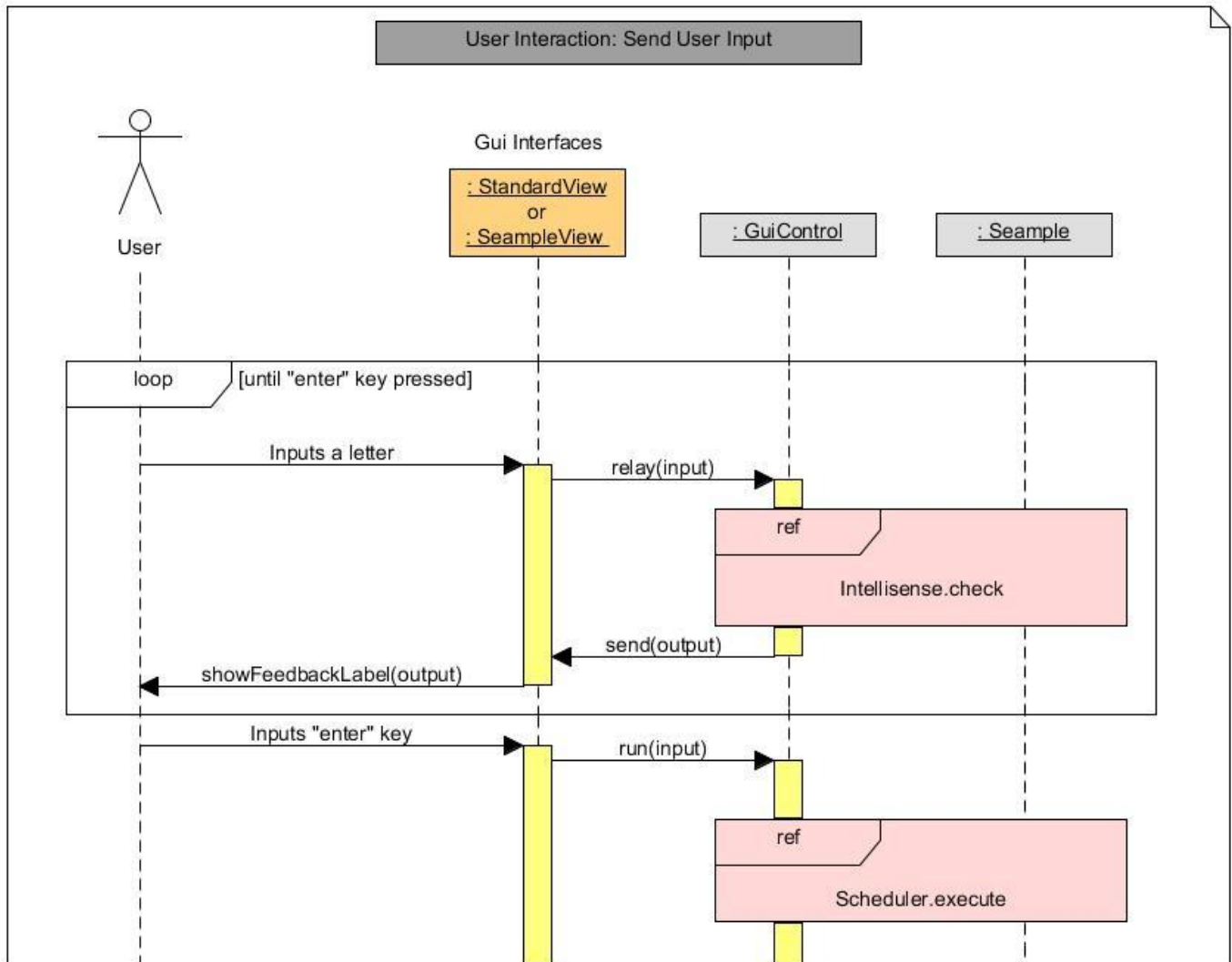
Syntax

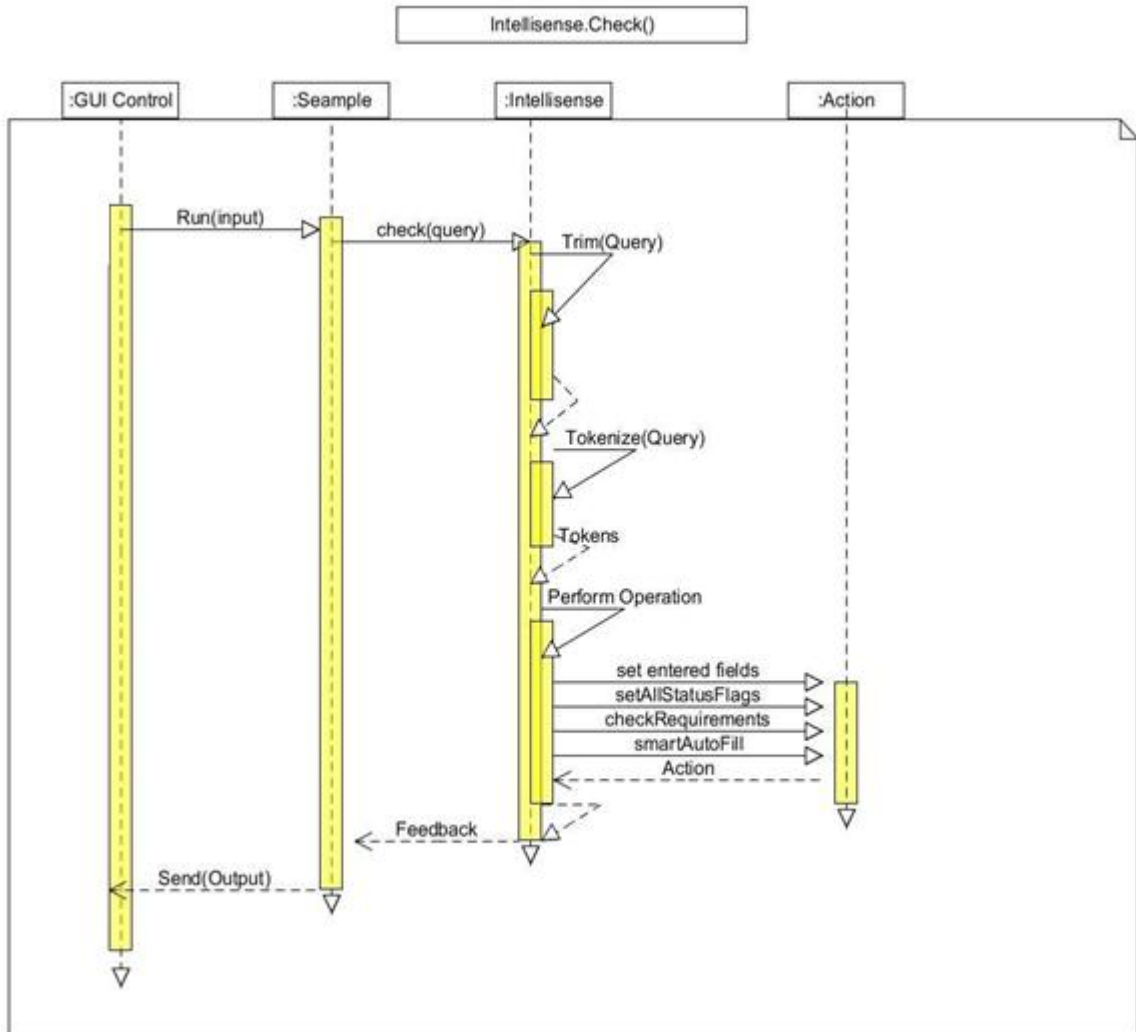
vector<**task**> SearchByCat(**string** searchItem)

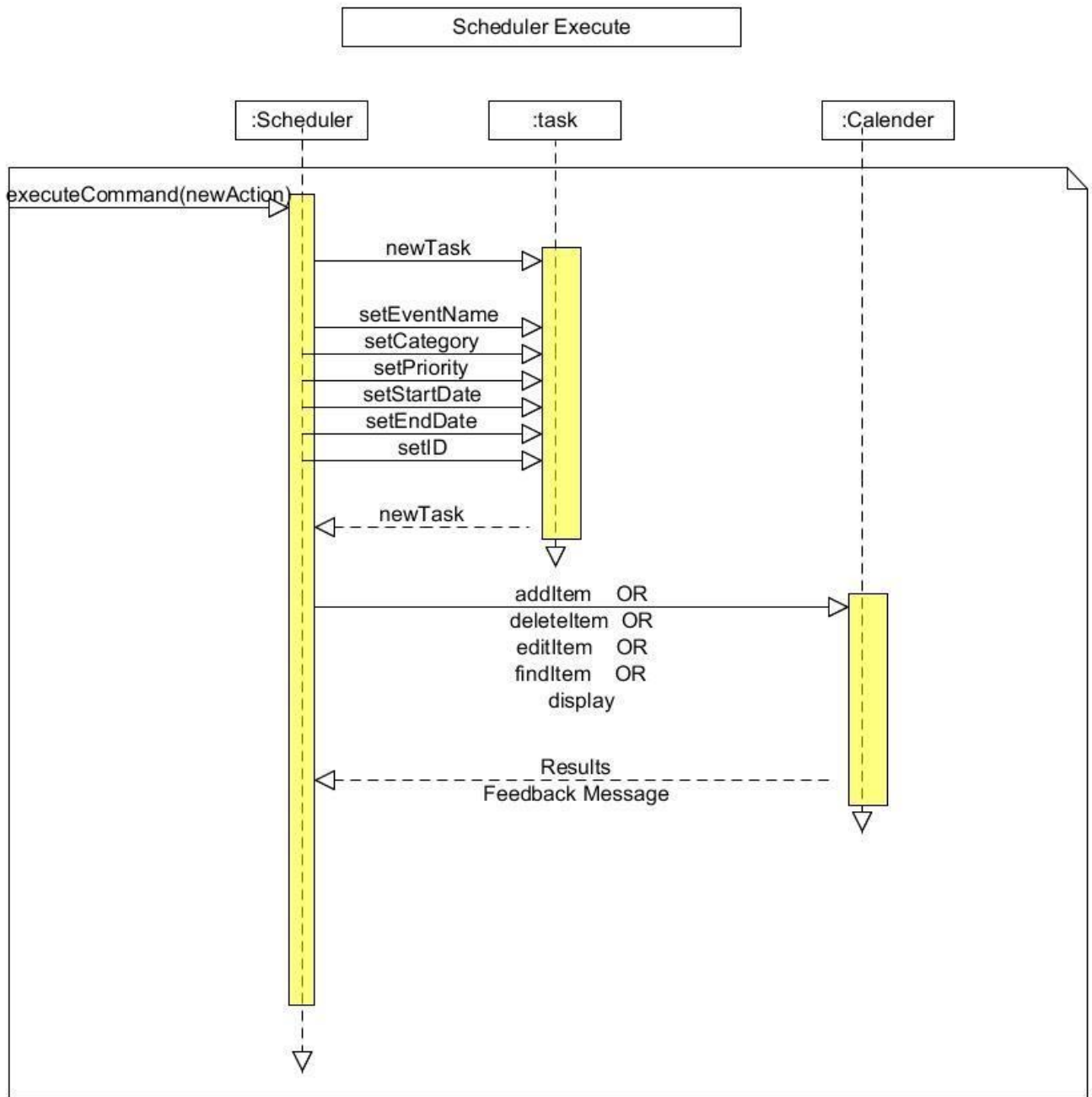
Input value(s): string containing search field

Return values (s) : Vector containing all task information

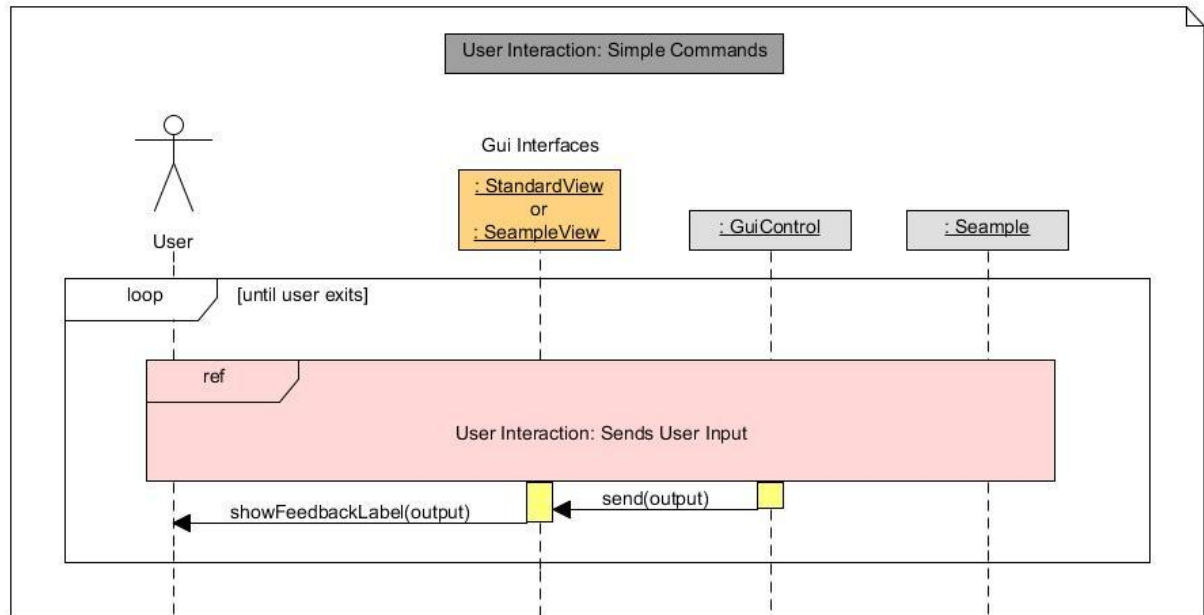
Sequence Diagrams







Note: Simple Commands refer to commands such as “add”, “delete” and “edit” where output consist of only one string



Note: Complex Commands refer to commands such as “find” and “display” where output can consist of more than one string due to multiple results.

