ToDo List

User Manual

About the User Manual

This document provides guidance for using the "ToDo List" application. It describes various tasks which can be performed with this application through pictorial illustrations.

About the application

This application provides an interactive way of managing a to-do list.
A user needs to create project(s) to continue. Once a project is added successfully then user can create a task and assign a project to it. The user can manage his/her task by updating description or changing status.

Using the application

After launching the application, the user is presented with the following "Main Menu" and it waits for the input. The user can "Enter choice" by typing the desired number and pressing Enter.

```
 Main Menu
***********

0. Exit from application
1. Add Project
2. Display Project
3. Add Task
4. Edit Task
5. Display Task
6. Remove Task

Enter choice :
```

Adding a Project

To add a new project, please type 1 and press Enter. The user need to type the desired project name. "Project id" is generated automatically.

```
Enter choice :
1
Project id : 101
Enter project name:
PRJ1
```

A confirmation message is displayed upon successful addition of the project, similar to the below example:

```
101  PRJ1  added successfully in file
```

The control goes back to the "Main Menu".

```
 Main Menu
**********

0. Exit from application
1. Add Project
2. Display Project
3. Add Task
4. Edit Task
5. Display Task
6. Remove Task

Enter choice :
```

Displaying a Project

To display the existing projects, the user should type 2 and press Enter.
It will list down all the existing projects, similar to the below example:

```
Enter choice :
2
Project id          Project Name
101                 PRJ1
102                 PRJ2
103                 PRJ3
104                 PRJ4
105                 PRJ5
```

The control goes back to the "Main Menu".

```
 Main Menu
**********

0. Exit from application
1. Add Project
2. Display Project
3. Add Task
4. Edit Task
5. Display Task
6. Remove Task

Enter choice :
```

Adding a Task

To add a new task, please type 3 and press Enter.

```
Enter choice :
3
```

There is an option to exit without creating a task in case user has chosen this option by mistake or wish to create the task later.

```
Do you want to continue? (Y/N)
```

The user should enter the number of tasks he/she wish to create.

```
How many task do you want to enter ?
```

The user need to type the desired task title & task description followed by the task due date in dd/mm/yyyy format. "Task id" is generated automatically.

```
Task id : 1001
Enter task title:
test1
Enter task desc:
test2
Enter task due date (dd/mm/yyyy) :
```

Date Validation

The application checks for valid date format and also ensures that the task due date is not a past date.

```
Enter task due date (dd/mm/yyyy) :
9876543219
Invalid date format.


Enter task due date (dd/mm/yyyy) :
16/07/2019
The date: 2019-07-16 is in the past, before today: 2019-10-24
Enter task due date (dd/mm/yyyy) :
```

Project Validation

The user is supposed to add only an existing project to a task. The user is presented with the following screen with all available project details.
The user needs to type an existing "Project id" and press Enter.

```
assign task with project id:
Project id          Project Name
101                 PRJ1
102                 PRJ2
103                 PRJ3
104                 PRJ4
105                 PRJ5
```

A confirmation message appears upon successful creation of a task.

```
PRJ5 assigned to task id 1001.

Successfully added in file:

1001 test1 test2 24/10/2019 15:56:59 16/01/2020 PRJ5 Open
```

The control goes back to the "Main Menu".

```
 Main Menu
**********

0. Exit from application
1. Add Project
2. Display Project
3. Add Task
4. Edit Task
5. Display Task
6. Remove Task

Enter choice :
```

Modifying a Task

To edit an existing task, the user needs to type 4 and press Enter.
The user is presented with the following options:

```
Edit Option

0. Exit from edit
1. Description
2. Update Status
```

The user has an option to exit from here by typing 0 and pressing Enter.

Editing Task Description

The user can press 1 to edit task 'Description'. The user is presented with the list of all existing tasks:

```
1
Task List (Project-wise) :
**************************

You have 5 opend task & 0 closed task

Id              Title           Description         Start Date          Due Date        Project         Status

1001            test1           test2               24/10/2019 15:56:59 16/01/2020      PRJ5            Open
1002            test2           test2               24/10/2019 16:05:24 09/09/2020      PRJ1            Open
1003            test3           test3               24/10/2019 16:05:48 12/12/2019      PRJ4            Open
1004            test4           test4               24/10/2019 16:06:12 08/12/2019      PRJ5            Open
1005            test5           test5               24/10/2019 16:06:37 11/11/2019      PRJ2            Open
Enter task id :
```

The user should enter the desired task id to be edited.

```
Enter task id :
1001
```

The user is shown the existing description and prompted to enter the new description.

```
Task No — 1001 details :

test1 test2 24/10/2019 15:56:59 16/01/2020 PRJ5 Open
Enter new description:
```

A confirmation message with new information is displayed to the user.

```
Enter new description:
Test1
1001 updated successfully with description Test1
```

The control goes back to the Main Menu.

```
  Main Menu
**********

0. Exit from application
1. Add Project
2. Display Project
3. Add Task
4. Edit Task
5. Display Task
6. Remove Task

Enter choice :
```

Updating Task Status

The user has the option to edit the status by typing 2 and pressing Enter.

```
2. Update Status
2
Task List (Project-wise) :
***************************

You have 5 opend task & 0 closed task

Id              Title           Description     Start Date            Due Date         Project          Status

1001            test1           Test1           24/10/2019 15:56:59   16/01/2020       PRJ5             Open
1002            test2           Test2           24/10/2019 16:05:24   09/09/2020       PRJ1             Open
1003            test3           test3           24/10/2019 16:05:48   12/12/2019       PRJ4             Open
1004            test4           test4           24/10/2019 16:06:12   08/12/2019       PRJ5             Open
1005            test5           test5           24/10/2019 16:06:37   11/11/2019       PRJ2             Open

Enter task id :
1002
```

The user should enter the desired task id from the displayed list to continue.

```
Task No — 1002 details :

test2 Test2 24/10/2019 16:05:24 09/09/2020 PRJ1 Open

Select progress id:

1 In Progress
2 Close
3 Cancel
```

The user is displayed the list of available status options. The user should choose one from the list to update the task status.

```
2 Close

Status updated of 1002
1002,test2,Test2,24/10/2019 16:05:24,09/09/2020,PRJ1,Close
```

A confirmation message is displayed upon successful update of the task.

Validation Check

System will not allow to update 'closed' tasks.

```
Task No – 1002 details :

test2 Test2 24/10/2019 16:05:24 09/09/2020 PRJ1 Close
Updation denied as task is closed
```

Displaying a Task

There are various options for displaying tasks. The user should choose option 5 from "Main Menu".

```
 Main Menu
***********

0. Exit from application
1. Add Project
2. Display Project
3. Add Task
4. Edit Task
5. Display Task
6. Remove Task

Enter choice :
```

The user is presented with the following options:

```
Enter choice :
5
|
Display Option

0. Exit from display
1. Project-wise
2. Status-wise
3. Date-wise
4. Task Id-wise
```

The user can choose to view the tasks Project-wise, Status-wise, Date-wise or Task Id-wise by entering the corresponding codes from the options.

Task List (Project-wise)

```
1
Task List (Project-wise) :
**************************

You have 4 opend task & 1 closed task

Id              Title           Description     Start Date            Due Date      Project        Status

1002            test2           Test2           24/10/2019 16:05:24   09/09/2020    PRJ1           Close
1005            test5           test5           24/10/2019 16:06:37   11/11/2019    PRJ2           Open
1003            test3           test3           24/10/2019 16:05:48   12/12/2019    PRJ4           Open
1001            test1           Test1           24/10/2019 15:56:59   16/01/2020    PRJ5           Open
1004            test4           test4           24/10/2019 16:06:12   08/12/2019    PRJ5           Open
```

Task List (Status-wise)

```
2
Task List (Status-wise) :
*************************

You have 7 opend task & 0 closed task

Id              Title           Description     Start Date            Due Date      Project        Status

1001            test1           Test1           24/10/2019 15:56:59   16/01/2020    PRJ5           Open
1003            test3           test3           24/10/2019 16:05:48   12/12/2019    PRJ4           Open
1005            test5           Test5           24/10/2019 16:06:37   11/11/2019    PRJ2           Open
1006            test6           test6           24/10/2019 20:05:55   01/09/2020    PRJ5           Open
1007            test7           test7           24/10/2019 20:07:49   08/11/2019    PRJ4           Open
1008            test8           test8           24/10/2019 20:12:23   08/08/2020    PRJ1           Open
1009            test9           test9           24/10/2019 20:15:04   13/12/2020    PRJ1           Open
```

Task List (Due date-wise)

```
3
Task List (Due date-wise) :
***************************

You have 7 opend task & 0 closed task

Id              Title           Description     Start Date            Due Date      Project        Status

1007            test7           test7           24/10/2019 20:07:49   08/11/2019    PRJ4           Open
1005            test5           Test5           24/10/2019 16:06:37   11/11/2019    PRJ2           Open
1003            test3           test3           24/10/2019 16:05:48   12/12/2019    PRJ4           Open
1001            test1           Test1           24/10/2019 15:56:59   16/01/2020    PRJ5           Open
1008            test8           test8           24/10/2019 20:12:23   08/08/2020    PRJ1           Open
1006            test6           test6           24/10/2019 20:05:55   01/09/2020    PRJ5           Open
1009            test9           test9           24/10/2019 20:15:04   13/12/2020    PRJ1           Open
```

Task List (Task Id-wise)

```
4
Task List (Task Id-wise) :
**************************

You have 7 opend task & 0 closed task

Id              Title           Description     Start Date            Due Date      Project        Status

1001            test1           Test1           24/10/2019 15:56:59   16/01/2020    PRJ5           Open
1003            test3           test3           24/10/2019 16:05:48   12/12/2019    PRJ4           Open
1005            test5           Test5           24/10/2019 16:06:37   11/11/2019    PRJ2           Open
1006            test6           test6           24/10/2019 20:05:55   01/09/2020    PRJ5           Open
1007            test7           test7           24/10/2019 20:07:49   08/11/2019    PRJ4           Open
1008            test8           test8           24/10/2019 20:12:23   08/08/2020    PRJ1           Open
1009            test9           test9           24/10/2019 20:15:04   13/12/2020    PRJ1           Open
```

Removing a Task

There user can also remove a task by entering option 6 from the "Main Menu".

```
 Main Menu
***********

0. Exit from application
1. Add Project
2. Display Project
3. Add Task
4. Edit Task
5. Display Task
6. Remove Task

Enter choice :
```

The user will be presented with the existing task lists. The user needs to enter the Task Id of the task which should be removed from the list.

```
Enter choice :
6
Task List (Task Id-wise) :
**************************

You have 7 opend task & 0 closed task

Id              Title           Description     Start Date          Due Date        Project         Status

1001            test1           Test1           24/10/2019 15:56:59 16/01/2020      PRJ5            Open
1003            test3           test3           24/10/2019 16:05:48 12/12/2019      PRJ4            Open
1005            test5           Test5           24/10/2019 16:06:37 11/11/2019      PRJ2            Open
1006            test6           test6           24/10/2019 20:05:55 01/09/2020      PRJ5            Open
1007            test7           test7           24/10/2019 20:07:49 08/11/2019      PRJ4            Open
1008            test8           test8           24/10/2019 20:12:23 08/08/2020      PRJ1            Open
1009            test9           test9           24/10/2019 20:15:04 13/12/2020      PRJ1            Open

Enter task id :
```

A confirmation message is displayed upon successful removal of the task.

```
Enter task id :
1007
1007 removed successfully
```