# Critical core use case: Add Task Use Case

**Initialized the App with no previously added tasks or previous awards achieved.**

A screenshot of a phone

Description automatically generated with medium confidence

A black cell phone with a white screen

Description automatically generated with low confidence

Test Objective: Verify the software's ability to create a new task.

Test Steps:

a. Launch the application.

b. Click on the "+" icon.

Expected Result: A form should appear from todo Dialog screen which is an overlay over the top of the TodoScreen to input task details.

Result: A task formed was created with input details being prompted for the user.

Evidence:

A screenshot of a phone

Description automatically generated with medium confidence

A screenshot of a phone

Description automatically generated with medium confidence

Test Objective: Ensure a Date and Time can be set within the task form

Test Steps:

a. Tap Date icon and from calendar select a date.

b. Tap Time icon and select a time.

Expected Result: A time and date can be selected and chosen for particular task.

Result: Clicking on the Date and Time boxes open up their own material dialogs for the user to select Date and Time variables.

Evidence of Testing:

A screenshot of a calendar

Description automatically generatedA screenshot of a phone

Description automatically generated with medium confidence

Test Objective: “Add” button places task on Todo screen

Test Steps:

a. Click “Add” Button

Expected Result: Created task with Title and description is shows on Todo screen.

Result: Clicking on the Add Button on the dialog adds the Todo Task into the local Room Database and displays it on the Todo/Home Screen

Evidence of Testing:

A screenshot of a phone

Description automatically generated with medium confidence

Test Objective: Multiple tasks

Test Steps:

1. Click “Add” Button
2. Repeat previous steps to add another task

Expected Result: 2nd created task also appears on Todo screen.

Result: Clicking on the Add Button a second time on the dialog adds the Todo Task into the local Room Database and displays it on the Todo/Home Screen with the previous task.

A screenshot of a phone

Description automatically generated with medium confidence

# Completed Task Use Case:

**Requirements for this use case is an added task. Here we have two tasks incomplete and still have not received rewards.**

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Test Objective: Check completion task box

Test Steps:

1. Click unchecked box within task on Todo screen

Expected Result: A tick will appear within the box as well as a line crossing out the title.

Result: Tick appears within box as well as colour change of Icon. Line appears to cross out title.

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Clicking on the completed checkbox updates the Reward Database. In this case, The Completed Task Reward requirement was satisfied so it updated the amount of times this award has been achieved. It can be viewed on the Reward Screen of the application. At this moment, the user should click on the Navigation Icon on the Top Left to open the Navigation Menu. Then click Rewards

Clicking on the Rewards Screen opens up all the possible awards a user can achieve and shows how many times it has been achieved. At this stage there is just two rewards to display. As you can see, with the below test after clicking the task as complete on the Todo Screen, the reward screen has updated to display that we have achieved it once and achieved 3 points from it.

Test Objective: Checking updating database

Test Steps:

1. Click on navigation icon
2. Then click “Rewards”

Expected Result: Rewards screen should display an updated view of total points which is calculated from completion of task.

Result: Database appears to have been updated. Reward tally increased.

A screenshot of a phone

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Test Objective: Checking updating database of multiple tasks

Test Steps:

1. Click checked box on previously created second task
2. Ensure tick appears
3. Click on navigation icon
4. Then click “Rewards”

Expected Result: Rewards screen should display tasks an updated view of total points which is calculated from completion of now multiple tasks

Result: Database appears to have been updated. Reward tally increased.

Evidence:

A screenshot of a phone

Description automatically generated with medium confidenceA screenshot of a phone

Description automatically generated with medium confidence