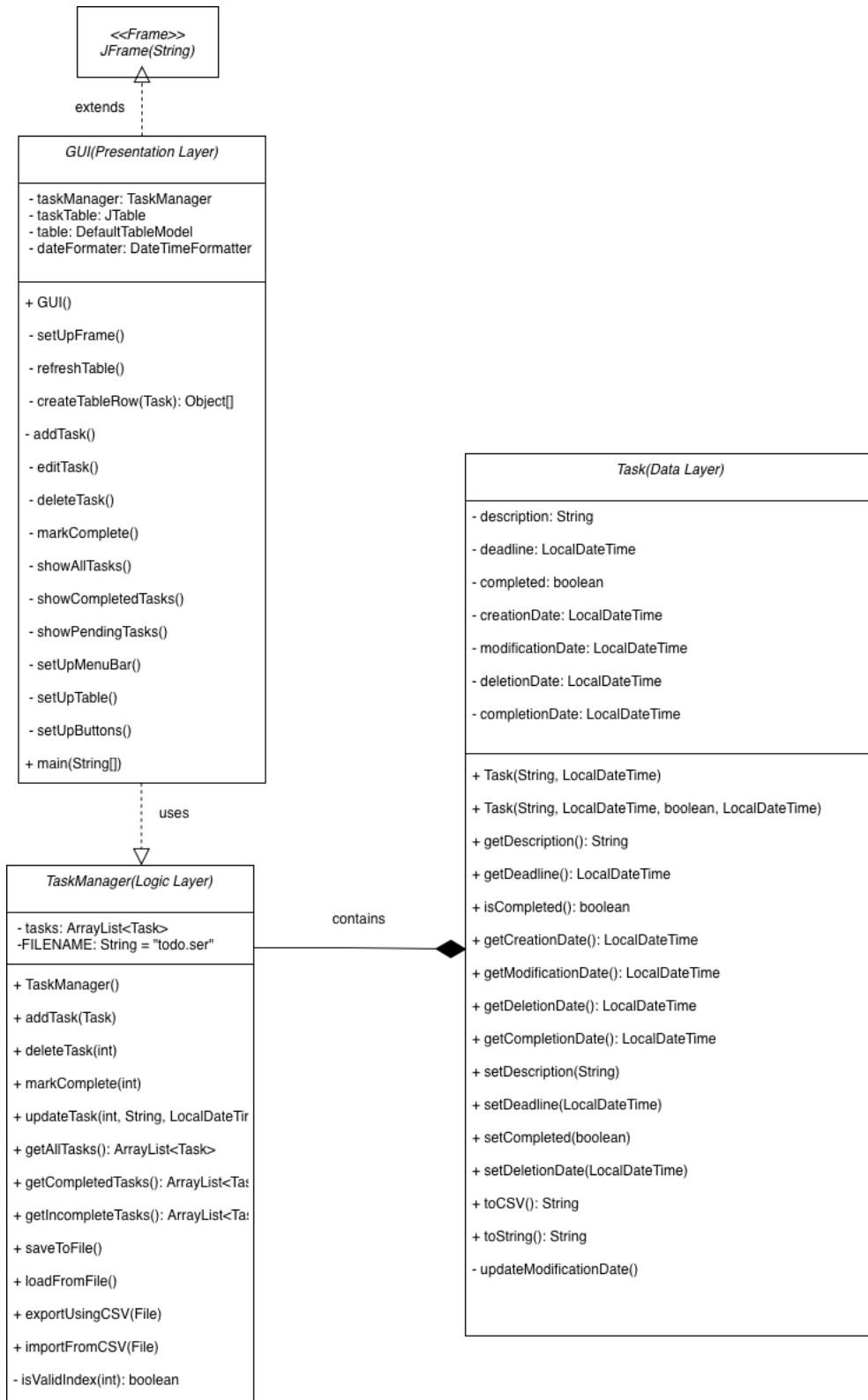


Nicole Binta-Funmi Lekwot



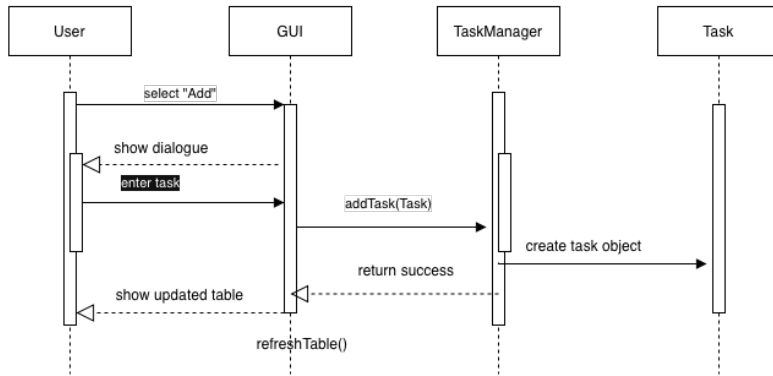
# TODO APPLICATION

## CLASS DIAGRAM



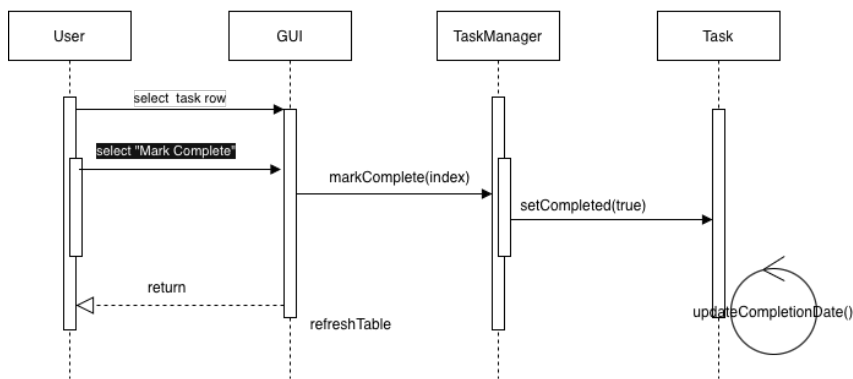
## SEQUENCE DIAGRAM

### ADD TASK USE CASE



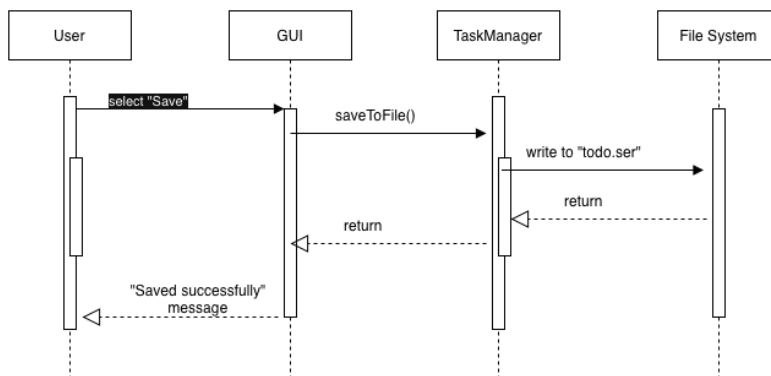
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### MARK TASK COMPLETE USE CASE

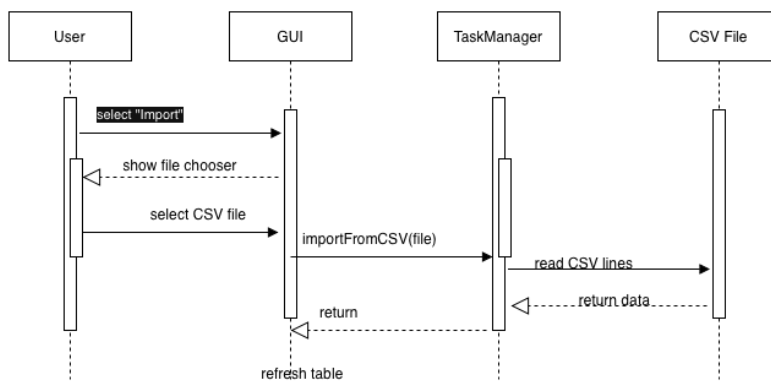


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### SAVE TO FILE USE CASE



### IMPORT CSV USE CASE



# UNIT TESTS

## TASK tests

- `testTaskCreation()`: it checks if a task is created correctly with all default values
- `testTrackingForModification()`: it verifies if the modification date updates when task changes

## TASKMANAGER tests

- `testAddTask()`: checks the adding a task to the manager and verifies count increases
- `testDeleteTask()`: checks the removing a task and verifies count decreases
- `testMarkComplete()`: checks the marking a task as completed and verifies status
- `testUpdateTask()`: checks the updating task description and deadline
- `testSaveAndLoad()`: checks the saving tasks to file and loading them back
- `testInvalidIndexHandling()`: checks the error handling for invalid task indices
- `testEmptyManager()`: tests the behavior when manager has no tasks
- `testLayerSeparation()`: tests the integration between Task and TaskManager layers