|  |
| --- |
| TAD Action Class |
| Action = {Action Type = <actionType>, Task Details = <taskDetails>, ID = <id>} |
| {inv: Action.actionType = String, Action.taskDetails = Task, Action.id = int} |
| Primitive Operations:  getActionType (): -> Action Class  setActionType (String actionType): actionType -> Action Class  getTaskDetails (): -> Action Class  setTaskDetails (Task taskDetails): taskDetails -> Action Class  getId (): -> Action Class  setId (int id): id -> Action Class |

|  |
| --- |
| getActionType ():  \*Returns the action’s type |
| (Pre: )  (Post: Action.actionType) |

|  |
| --- |
| setActionType (String actionType):  \*Stablishes a new action type |
| (Pre: newActionType)  (Post:) |

|  |
| --- |
| getTaskDetails ():  \*Returns the task’s details |
| (Pre: )  (Post: Action.taskDetails) |

|  |
| --- |
| setTaskDetails (String taskDetails):  \*Stablishes a new task detail |
| (Pre: newTaskDetails)  (Post:) |

|  |
| --- |
| getId ():  \*Returns the action’s ID |
| (Pre: )  (Post: Action.id) |

|  |
| --- |
| setId (String id):  \*Stablishes a new ID |
| (Pre: newID)  (Post:) |

|  |
| --- |
| TAD Task Class |
| Task = {Title = <title>, Description = <description>, Date Limit = <dateLimit>,  Priority = <priority>} |
| {inv: Task.title = String, Task.description = String, Task.dateLimit = String, Task.priority = Priority.PRIORITY V Priority.NO\_PRIORITY} |
| Primitive Operations: |

|  |
| --- |
| TAD Stacks |
|  |
| {inv: } |
| Primitive Operations: |

|  |
| --- |
| TAD Priority Queue |
|  |
| {inv: } |
| Primitive Operations: |

|  |
| --- |
| TAD Hash Tables |
|  |
| {inv: } |
| Primitive Operations: |