**SCCF/02317/2021- I.T**

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**SOFTWARE DESIGN ASSIGNMENT**

**1. Appropriate software methodology.**

* The most appropriate software methodology I’ll use while making the To-Do list application is the Waterfall methodology.
* This is because this methodology has well defined requirements and a sequential workflow where each stage of the waterfall methodology is completed before moving on to the next.

**2. Context Models**

**Calendar**

**User**

**Email**

**To-Do List**

<system>

**Messaging apps**

**Cloud storage**

**3.Interaction Models**

**User**

**4.Structural Models**

**Description**

**Database**

**View to-do list**

**Mark task as done**

**Delete task**

**Edit task**

**Add task**

**Priority**

**Status**

**Deadline**

**Title**

**User Interface components**

**Data storage component**

**Task management components**

**5.Behavioral Models**

* **View all tasks list**
* **View completed tasks lists**
* **View incomplete tasks list**
* **Search tasks**
* **Sort tasks**

**View all task menu**

* **Enter task name**
* **Enter task description**
* **Set due date**
* **Set reminder**
* **Save task**
* **Cancel task**

**Add new task menu**

* **Add new task**
* **Vie all tasks**
* **Edit existing task**
* **Delete task**
* **Exit app**

**Main menu**

**Start to-do list app**

* **Save changes and exit**
* **Discard changes and exit**

**Exit to-do list app**

* **Select task to delete**
* **Confirm deletion**
* **Cancel deletion**

**Delete task menu**

* **Select task to edit**
* **Edit task name**
* **Edit task description**
* **Edit due date**
* **Edit reminder**
* **Save edited task**
* **Cancel editing**

**Edit task menu**

**KEY: - Offline page connector**