
 جامعة حلوان HELWAN UNIVERSITY	Operating Systems 2 (Fall 2023) Project Discussion	 كلية الحاسبات والذكاء الاصطناعي Faculty of Computers & Artificial Intelligence
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Project Number: **Number 1**

Project Name: **The Sleeping Teaching Assistant**

Team Members :

	Team Member ID	Team member name (in Arabic)	Grade
1	201900436	عبدالرحمن محمد نراج (Team leader)	
2	201900427	عبدالرحمن عمرو محمد عبدالعزیز	
3	201900226	بسنت محمد حسن محمد	
4	201900469	عبدالوهاب علي عبدالوهاب	
5	20180476	محمد ايهاب محمد ابراهيم	
6	202000816	محمد محمود حسن	
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Evaluation Criteria

General Criteria

Criteria		Grade
Multithreading (5)	No multithreading (2 out of 5)
	Threads in serial (3 out of 5) Correct usage of threads, synchronization and mechanisms	
	Multithreading (4 or 5 out of 5) Correct usage of threads, synchronization and mechanisms	
GUI (2)	No GUI (0 out of 2)
	GUI without thread communication or realtime update (1 out of 2)	
	GUI with correct I/O and Thread communication or realtime update (2 out of 2)	

Documentation (1)		
Understanding (2)		

¹ 1st team member should be the same one in project schedule

إسم العضو الأول ذي الذريق يجب أن يكون نفس الاسم المعلن ذي جدول المناقشة

1. Introduction:

Helps undergraduate students with their programming assignments during regular office hours. The TA 's office is rather small and has room for only one desk with a chair and computer. There are three chairs in the hallway outside the office where students can sit and wait if the TA is currently helping another student. When there are no students who need help during office hours, the TA sits at the desk and takes a nap. If a student arrives during office hours and finds the TA sleeping, the student must awaken the TA to ask for help. If a student arrives and finds the TA currently helping another student, the student sits on one of the chairs in the hallway and waits. If no chairs are available, the student will come back at a later time.

2. Features:

Scheduled Teaching Sessions: Plan and schedule specific times for teachers.

Analytics Dashboard: Monitor progress and receive insights into the effectiveness of sleep learning sessions.

A solution that coordinates the activities of the TA and the students.

3. Installation:

JDK 11 , Netbeans.

4. Usage:

Plan and schedule teaching sessions based on your preferences. Specify the subjects, content types, and duration of each session. The Sleeping Teaching Assistant will then deliver the selected content during designated sleep periods.

5. Class Diagram:

