

Cairo University Faculty of Engineering



DATA STRUCTURES AND ALGORITHMS CMPN102 MARS EXPLORATION PROJECT PHASE2

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Workload:

Abdelrahman Ezzat Reading Input in UI Output file in UI Priority Queue DS Modes of operation Move rovers to execution and checkup	Omar Amin Formulation event Cancellation event Promotion event Modes of operation Move rovers to Maintenance
 Action Class Assigning Rovers to missions Check Waiting Mission Move to execution Auto Promotion Move rovers to execution and checkup Queue DS 	Yomna Osama • Action Class Assigning Rovers to missions Check Waiting Mission Move to execution Auto Promotion • Move rovers to Maintenance • Move rovers to execution and checkup • Hashtable DS

Bonus:

- 1- Mountainous: promotion, Cancellation (Completed the project with all cancelled parts)
- 2- Completed missions in output file are sorted according to CD and if they have same CD they are ordered by ED
- 3- Rover's speed
- 4- Rover's maintenance