# Individual Diary of Abanob Tawfik

# Z5075490

### 12 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| NOTHING PROJECT WISE  Worked on Assignment 2 | NOTHING PROJECT WISE  Finish up my code for a\* and work on the heuristic | Assignment 2 |
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### 14 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| Starting thinking of design features for the project | Since I have no group members as I can’t attend the tutorial due to my surgery I will try to at least pre-think of a design structure | Assignment 2 |
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### 16 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| NOTHING PROJECT WISE  Worked all on assignment 2 very close to finishing have very few touch-ups and it should be good | NOTHING PROJECT WISE  Try to finish up more of my A\* have to fix my heuristic to give best path cost | Assignment 2 |
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### 16 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| Finished Assignment 2 WOOO, that was a long hard hurdle  (NOTHING PROJECT WISE) | Look up more on algorithms that allow generation for grids, thinking up more on design I have a few ideas | Other immediate deadlines but I am dedicating time for this project |
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### 19 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| Still recovering from surgery ☹ ☹ but I thought up of a few design ideas I will expand on | Draw out how I want this game to work, try to visualise it before I code it, think of features to add, I have a few ideas im thinking of how I want to implement including, sounds on hitting a obstacle or making invalid move, a score system based on time taken to complete scaled on the difficulty, a algorithm to generate boards based on user difficulties, I want to also make the user choose their car if possible but this is all pre-design will vary greatly when I go to implement it | Recovery from surgery and immediate deadlines still no group as I could not attend the tutorial due to my recovery but hopefully I get one soon |
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### 19 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| Got assigned into my group found my group mates!!! Created a group repository and a facebook group and got to know my group. Started talking about project, nothing major just asked how is everyone going with the course and assignment 2 progress | NOTHING PROJECT WISE  immediate deadlines for my other courses I can’t currently commit time and I have a problem with assignment 2 I am putting full attention to finishing | Recovery from surgery and assignment 2 might need a complete re-coding |
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### 22 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| NOTHING PROJECT WISE  I was planning to put full focus on the project because I thought I finished assignment 2 and had nothing in the way but I need to do major revamping to assignment 2 | NOTHING PROJECT WISE  I have to remake my assignment 2 design completely as I did not follow A\* algorithm and I did a greedy search based on a non-admissible heuristic and after a lot of reading decided to revamp entire assignment | Recovery from surgery and assignment 2 need to code the A\* properly and think of an admissible heuristic |
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### 24 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| NOTHING PROJECT WISE  this redesign of assignment 2 has me stressing out and looking at screens too long causing eye pains, im trying to finish assignment 2 and understand the A\* algorithm and lecture notes better | NOTHING PROJECT WISE  I hope I can finish assignment 2 A\* search working even without a heuristic just giving me the optimal path, but I’m having a bit of trouble understanding the lecture notes and the <n’,p+e> stuff it’s very hard to wrap my head around especially since my brain is still working with the old algorithm | Recovery from surgery and assignment 2 need to code the A\* properly and making this algorithm work without infinitely looping ☹ ☹ |
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### 26 April 2018

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| What Did I Do Yesterday? | What will I Do Today? | Is anything in my way? |
| NOTHING PROJECT WISE  I FINALLY FINISHED MY A\* IT WORKS AND GIVES ME THE BEST PATH, NO HEURISTIC BUT IT WORKS PRAISE THE LAWD, finally understand A\* search which is a great relief as it is a very useful algorithm to know | NOTHING PROJECT WISE  Making a heuristic so my costs for the path aren’t over-estimated and my nodes expanded aren’t a ridiculously high number something admissible and optimal. | Assignment 2 but after this and my COMP2121 work, I will put all my focus into this project I have a design structure I want to work on |
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