**DOKUZ EYLUL UNIVERSITY**

**ENGINEERING FACULTY**

**DEPARTMENT OF COMPUTER ENGINEERING**

**CME1251 PROJECT BASED LEARNING – I**

**PROGRESS REPORT**

**PROJECT – II**

**Life On Mars**

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**25.11.2022**

# CHAPTER ONE

PROGRESS SUMMARY

## Work Done

SELDA TURGUT

We finished all the operations. The operations I had to do were 8,9,10,11 operations. We have completed all operations. Next week I'll make operations better.

SARP TOPALOĞLU

We shared tasks and I wrote operations 5, 6, 7, 8. We tested and debugged our code to find and fix the bugs.

EJDER DAVARCI

We finished all the operations. The operations I had to do were 1,2,3,4 operations. We’ll make improvements and correction next week.

KEREM KALINTAŞ

I wrote operations between 11 and 17. I helped my friends to finish their work. We tested and debugged our code to make it better.

## Work in Progress

SELDA TURGUT

Our process of coloring the code continues. also our code is still in testing phase. We fix bugs as we see them. We are considering adding a multidimensional array to the code.

SARP TOPALOĞLU

We are debugging and testing our code to fix some bugs.

EJDER DAVARCI

We are trying to fix minor bugs we see in the code and make improvements like colors.We’ll try to improve the code next weelk.

KEREM KALINTAŞ

We are trying to fix some bugs and improve our code style. We are testing it and trying to make it perfect.

## Work to Be Done

SELDA TURGUT

We'll test operations next week. And we will fix the errors we detect. We will create a poster for our project. We will prepare a presentation and try to present it. We will present the project we have created in the best way.

SARP TOPALOĞLU

We will continue to test our code because some of operations still have bugs. Also we are going to prepare presentation and poster.

EJDER DAVARCI

We’ll try to find and fix bugs next week.We’ll prepare the presentation and the poster.We’ll test that the code works properly.

KEREM KALINTAŞ

We need to test our code even more and try to make it work in all conditions. Operation 17 is still has some bugs and we are going to fix those next week.

# CHAPTER TWO

algorıthms and solutıon strategıes

SELDA TURGUT

We first attempted to comprehend the project that was assigned to us as a group. Then we divided up the tasks among ourselves. In order to better grasp some processes, we conferred with one another. In this project, we made extensive use of array and char assignments. We discovered mathematical formulas.

SARP TOPALOĞLU

We shared tasks. I read the project document carefully and tried to understand my operations. Then wrote my part and tested it with the given examples .

EJDER DAVARCI

This projecct gave us the opportunity to work together.It gave us a better understanding of writing functions and mathematical operations.We learned to use arrays and char variables better.We tried to understand what they wanted from us somehow , then everyone did their own operations with task distributions.

KEREM KALINTAŞ

We firstly divided the project operations for everyone. I got the operations between 11 and 17. I read the project paper carefully and wrote my code based on that. And i tested my operations with the given examples and maked sure the code is correct.

# CHAPTER THREE

PROBLEMS ENCOUNTERED

SELDA TURGUT

We encountered significant difficulties while removing codons from DNA and adding codons to DNA since string operations are not permitted. I had trouble translating char and string variables back and forth. I struggled with calculations since I had to solve mathematical equations using an index.

SARP TOPALOĞLU

We encountered problems while writing several operations as we can not use string functions. We had to check the nucleotides one by one.

EJDER DAVARCI

They didn’t allow us to use some value types in the project and we worked with other values for these value types and I learned the char value type well. We wrote and used special functions for some operations and I became more familiar with the functions .Currently,there are slight problems in the project and we are trying to sole them

KEREM KALINTAŞ

I wrote my code first time using strings. And learned that strings were not permitted. So i changed the types to char array and solved the problems. And it was a problem to understand operations and what is their purpose.