**DOKUZ EYLUL UNIVERSITY**

**ENGINEERING FACULTY**

**DEPARTMENT OF COMPUTER ENGINEERING**

**CME1252 PROJECT BASED LEARNING – II**

**PROGRESS REPORT**

**PROJECT – I**

**DEUCENG HOTEL**

**by**

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# CHAPTER ONE

PROGRESS SUMMARY

## Work Done

Baha Aydoğan

Initialized and added some attributes of some classes and dealt with customer class and array.

Ahmetcan Temel

I wrote a code that can read a text file and save the informations in the txt file to the classes. I also added our code exit function. I harmonized my read a text file class and my friend code classes. I wanted to learn how to make classes in java so I made 5 classes in my code and I organised the classes according the project document.

Boran Bereketli

I did the deleteEmployee and searchCustomer commands.I made the Reservation class and helped other classes.Tested the code.

Kerem Kalıntaş

I created Hotel, Date, Customer, Address, Main classes. I did the statistics, simulation list commands. I wrote the code for reading commands from the console. I wrote comments and function documentations to the code. I created a git repository to share and track our progress.

## Work in Progress

Baha Aydoğan

'searchRoom' command.

Ahmetcan Temel

I am trying to make an add function to our code. When our code reads commands.txt file we need to save the informations from the txt file to our classes.

I am also checking if my code and my friend's code are working nicely together. I am trying to make suitable my code to works with other all classes.

Boran Bereketli

I'm preparing the searchRoom command.

Kerem Kalıntaş

I am trying to make our code better by adding more comments and explaining algorithms that we use. I am also trying to create better error messages for invalid arguments and such.

## Work to Be Done

Baha Aydoğan

'searchRoom' command.

Ahmetcan Temel

I need to made a powerpoint for presentation and I also need to made a Final Report. I will also check the code if the code works well or not. I will calculate the profit. Me and my friends will make the simulation and reservation systems.

Boran Bereketli

The searchRoom,simulation and statistis commands will be made. Some additional improvements that think to add will be added.

Kerem Kalıntaş

I will rewrite the statistics command because it doesnt work as it should. I will try to create colored printing on the some fields of the classes. And i am going to try to make the code better by removing unused parts.

# CHAPTER TWO

algorıthms and solutıon strategıes

Baha Aydoğan

None.

Ahmetcan Temel

First of all, I made an algorithm for reading the txt file but my first algorithm trying to add all of the lines into the 2d string array I searched the internet, stackoverflow but i couldnt add the lines to 2d string array so I made another algorithm for reading the txt file. When our code starts to read the file, our code reading line by line and I made a lot of if statements to check which class will be used and which code parts will be used. In this way, I perfectly run my code respectively.

Boran Bereketli

In the searchCustomer command, after removing the question marks and asterisks from the pattern that the user wants to search from us.

Then I determine that the names in the Customer class contain the pattern or not.

Finally, printed the Customers containing the pattern on the screen.

In the deleteEmployee command. After deleting the desired Employee, I update the IDs of the remaining Employees.

Kerem Kalıntaş

I used a static integer at the Customer and Room classes to create unique ids. I made it static because that way there is only one integer amongst the class. Every time an object is created it gets increased by 1 and makes it unique. And i created a function called “executeCommand” in the Hotel class. I made a function for that because i didnt want to write the same code for both reading through console and reading “commands.txt”.

# CHAPTER THREE

PROBLEMS ENCOUNTERED

Baha Aydoğan

None.

Ahmetcan Temel

First of all, I wanted to read all of the text file and I wanted to add all the lines to a string array but i couldn’t make it because i need to use some unnecessary functions. I solved this problem by reading the text file line by line. In This way, I can run my code sequentially.

Boran Bereketli

In the deleteEmployee command, I was not reducing the ids of the Employees, so I was getting a lot of errors.

Then I updated the ids with the help of a set met/hod in the Employee class.

After deleting the question marks in the search command, I was not looking at the length of the names (for example, when I searched Ze???, Zeynep gave the answer).

I solved this by checking the length.

Kerem Kalıntaş

My statistics command doesnt work because the double gets losses data when i try to calculate occupancies. I get “32.49999999999999” when i should get “32.5”. And when i try to round it with “Math.round()”, i get “32” instead of “33”. I will fix this problem with converting doubles with integer and dividing the day length of the month after that.