

# Flight Reservation System

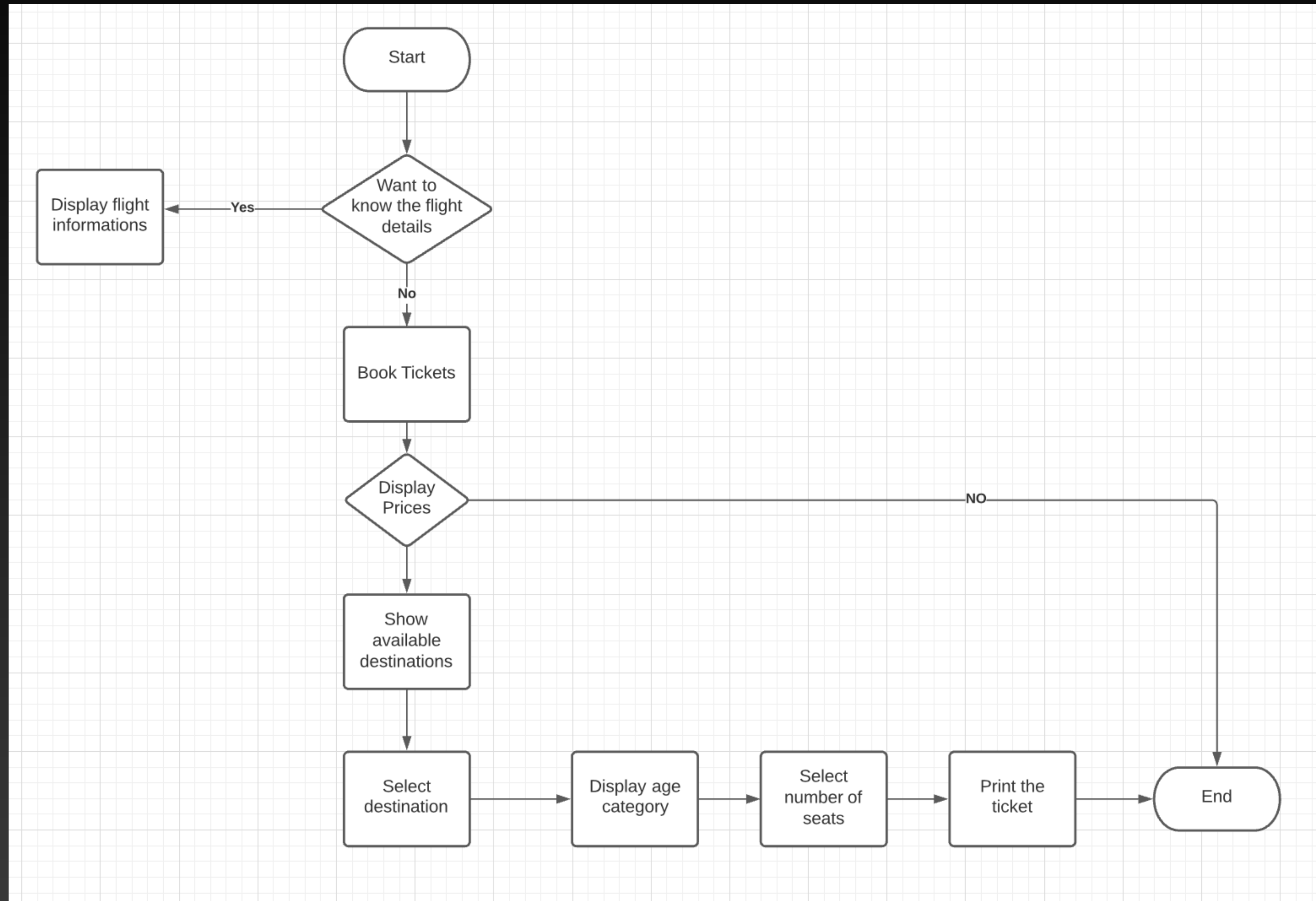
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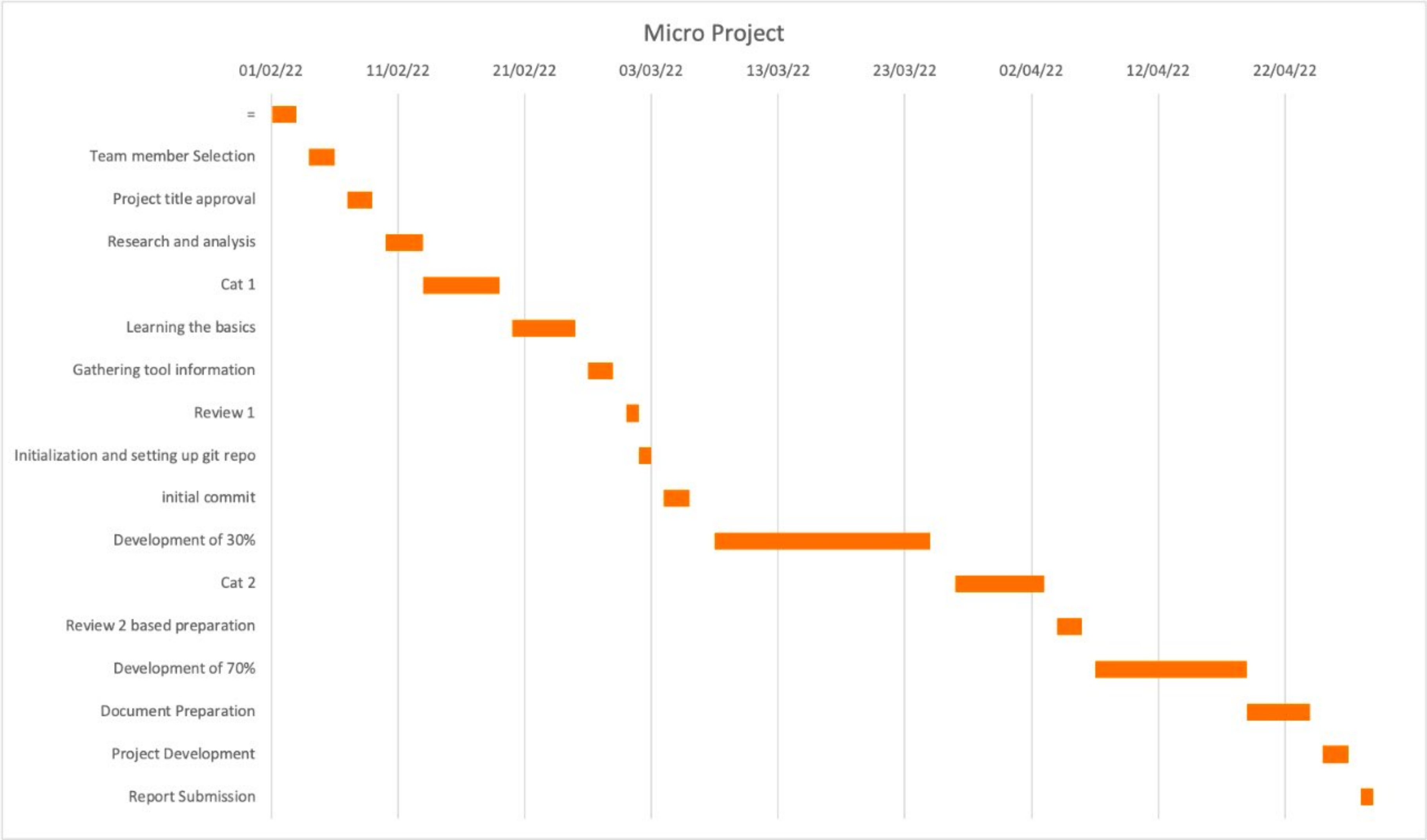
# Abstract

With the modernisation, the flight culture is increasing day by day. Everyone prefers to go to and fro destinations in a flight rather than any other mode of transportation, Since it is the fastest mode of transportation at affordable rates. With the increase in the demand for the flight culture the possibility of the error and wastage of time also increases. Due to limited amount of seats available it leads to a lot of wastage of time. This has led to long queues and waiting time. In this project we are designing , developing and testing an assembly language code program to be used for a flight reservation generally referred as flight reservation system. This software is built on 8086 and hence it has very little to no need of specialised hardware and can perform tasks very quickly and accurately. Such a system is portable lightweight and easy to mass-produce thus having a huge scope in these modern times.

# Flow Chart



# Work Flow



# Plan Of Execution

Task	Start Date	End date	Duration
project start off	2/1/2022	2/3/2022	2
Team member Selection	2/4/2022	2/6/2022	2
Project title approval	2/7/2022	2/9/2022	2
Research and analysis	2/10/2022	2/13/2022	3
Cat 1	2/13/2022	2/19/2022	6
Learning the basics	2/20/2022	2/25/2022	5
Gathering tool information	2/26/2022	2/28/2022	2
Review 1	3/1/2022	3/2/2022	1
Initialization and setting up git repo	3/2/2022	3/3/2022	1
initial commit	3/4/2022	3/6/2022	2
Development of 50%	3/8/2022	3/25/2022	17
Cat 2	3/27/2022	4/3/2022	7
Review 2 based preparation	4/4/2022	4/6/2022	2
Development of 90%	4/7/2022	4/19/2022	12
Document Preparation	4/19/2022	4/24/2022	5
Project Development	4/25/2022	4/27/2022	2
Report Submission	4/28/2022	4/29/2022	1

# Tools Required

- 1) Assembler for asm
- 2) 8086 chipset
- 3) Assembly language editor
- 4) A target machine on which the program shall be executed
- 5) Git and Github

Fortunately the needs of 1-3 are satisfied by the emu8086 application which has been licensed by our University.

As for the target machine it will be a windows 10 based system with the emu8086 installed in it.

Since we are a team the code shall be monitored over a remote repository on github and each of us will use git in our system to contribute to the same.

# Conclusion

We are planning to successfully develop a working menu driven Flight Reservation System in emu8086. In this project, we are aiming to develop these modules:

1. Display flight information.
2. Book the flight tickets with user defined destination and age groups.
3. Show the Total bill amount and ask the user for further ticket booking/exit the system.



Thank You