

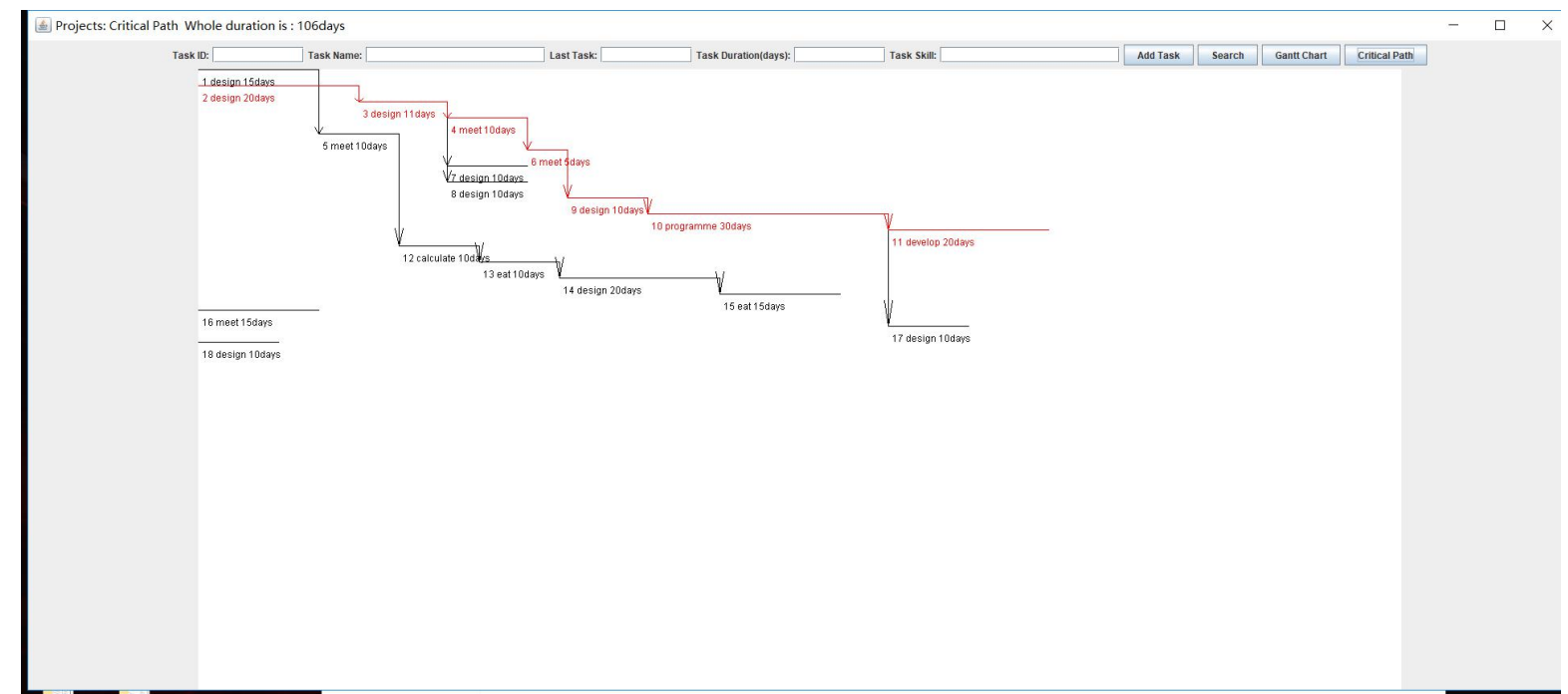


Yi Zhou

MSc in Computing for Business

## Idea and Programme Introduce

I have a module called project management. From this module, I have learnt much knowledge about how to manage a project. One thing I have learnt is how to use Microsoft Project. It's significant for project management. This program can do some things like Microsoft Project (draw gantt chart and find critical path).



Entry 5 attributes and press Add Task button can add new task to database.

Like first picture, entry task ID and press Search button can find task which has this ID and show 5 attributes in the screen.

Like second picture, press Gantt Chart button can make program to draw a gantt chart by using data from database. So the whole project schedule can be seen.

Like third picture, press Critical Path button can make program to draw a gantt chart and find out critical path, then use red color to draw critical path. It's also by using data from database. It also tells you the whole duration of this project.

## Tools and Carry Out

This program uses two tools as what was written in the proposal which are blueJ and MySQL.

The core idea is using JAVA to get data from the database. Then it can carry out much function.

For carrying out these functions, JAVA and the database have to be connected. This needs some JAVA code and JDBC. For UI, it needs JPanel, JLabel, JTextField, JButton and so on. For gantt chart and critical path, they need to write for or while loops, and store values in arrays.

## Function introduce

This program can enter 5 attributes of a task and has 4 buttons.

I have decided a task has 5 attributes which are Task ID, Task Name, Last Task, Task Duration and Task Skill. Current task must begin after the last task has finished. Task skill is which skill this task needs.