

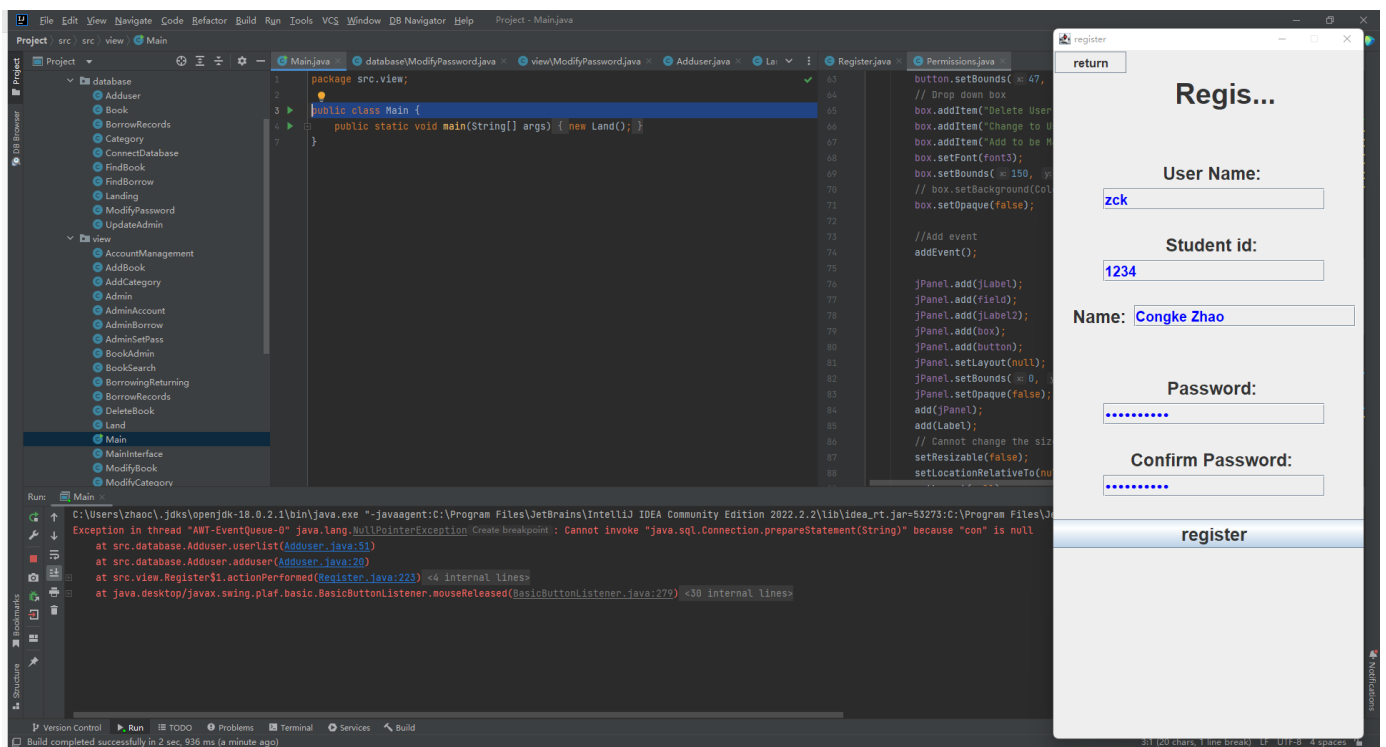
Project 7

Book management system

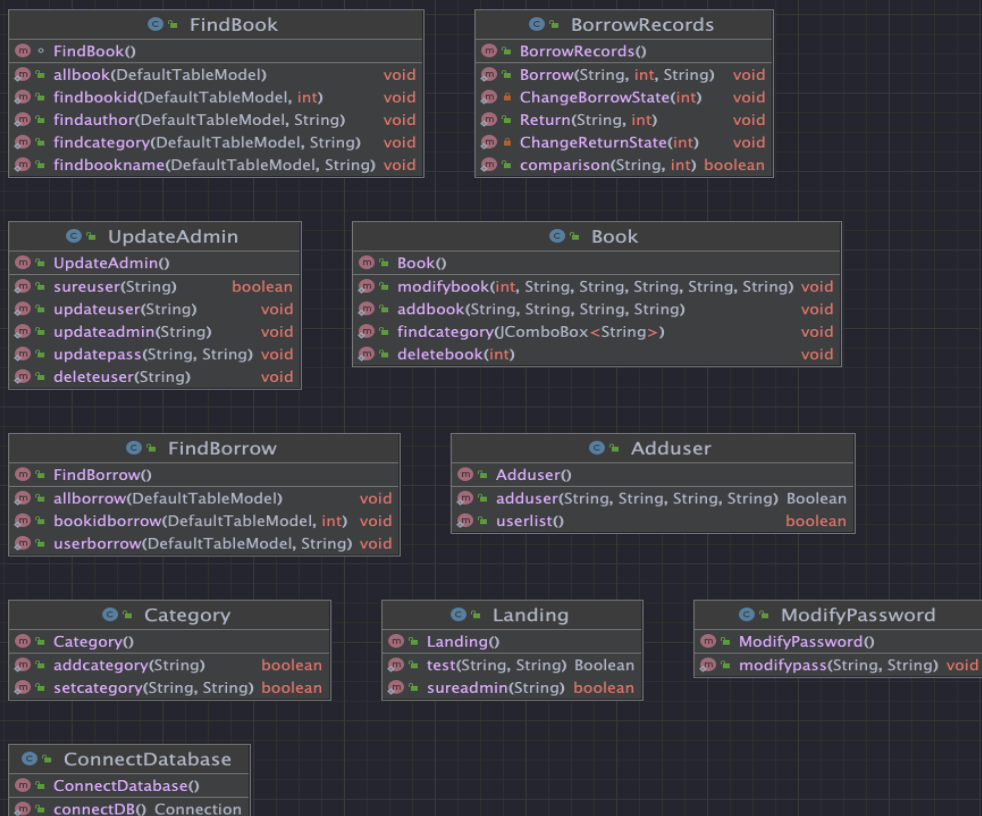
Congke Zhao & Rui Zhang

Statement: Rui quit in the last part. Because Covid-19 could not continue to make the project, our project was basically completed, but there were always bugs in the running phase. I cannot solve this problem by myself, so we actually do not finish the project.

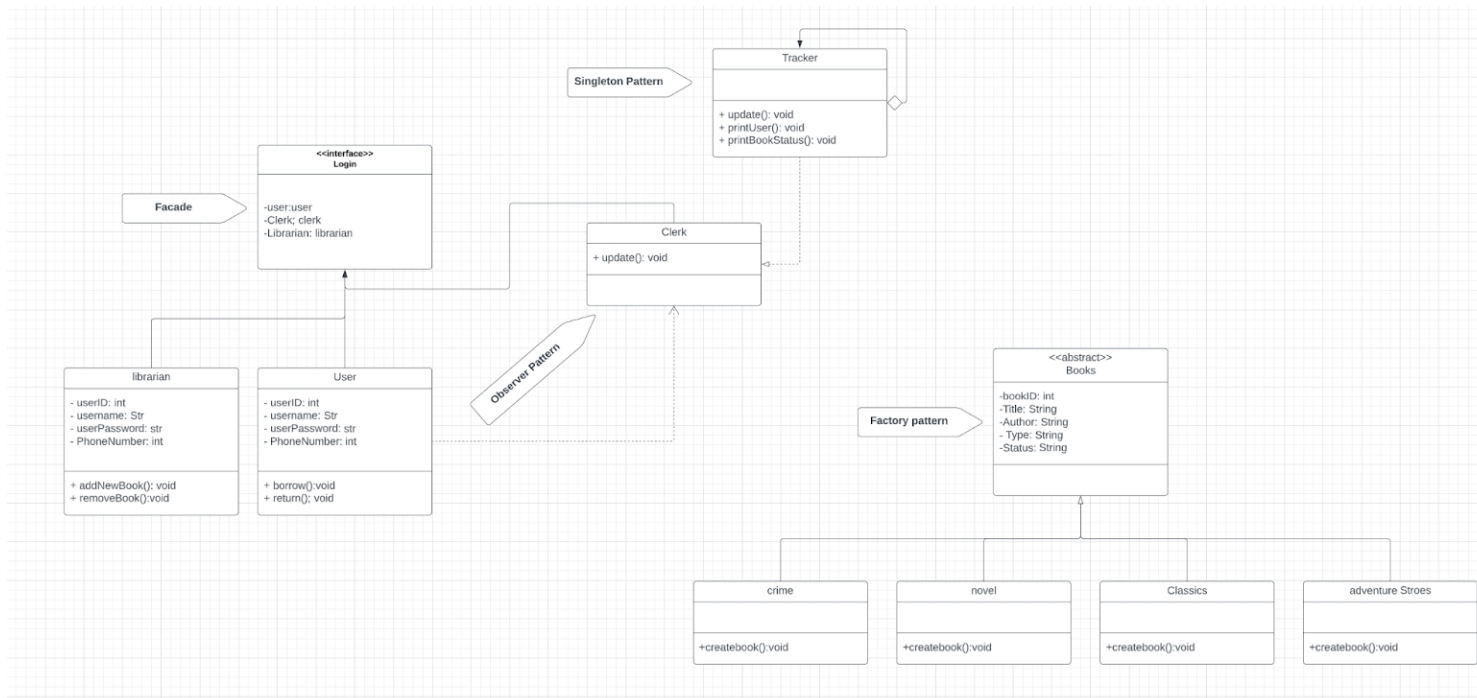
There is a big change between 5 and 6, but there do not have much change between 6 and 7. The big change is the design pattern, because we use java to do the interface directly, we thought this is more convenient. Therefore, we change a lot about the design pattern.



UML:



Project 5 UML:



The most important change is the use of patterns. In Project 5, we did not intend to use Java directly as the interface, but in the later production process, we found that Java seems to be able to directly serve as the front-end language, so we changed the pattern idea and made a major change to the UML diagram.

Database connection is learned from:

<https://stackoverflow.com/questions/38660104/how-to-connect-intellij-with-local-mysql>

<https://www.javatpoint.com/example-to-connect-to-the-mysql-database>

<https://blog.csdn.net/kongsanjin/article/details/96425826>

Java swing (interface):

<https://www.geeksforgeeks.org/java-swing-jpanel-with-examples/>

<https://docs.oracle.com/javase/7/docs/api/javax/swing/JFrame.html>

database:

<https://www.w3schools.com/MySQL/default.asp>

<https://www.youtube.com/watch?v=JR1c8p2apJM>

In the process of making the project, we give priority to writing code. After completing part of the code, we analyze and reorganize the code framework and redesign it. Obviously, this makes the code more cluttered and increases the workload. And we didn't list the relationship of each class or interface in advance, which made the production process very complicated. Of course, the biggest problem is that they are not proficient in code learning and cannot use code flexibly.