**Final Project Documentation**

**Instructions how to run this project:**

1. We need to create one project in IDE (IntelliJ IDEA, Eclipse, or others like this).
2. Create classes identical with java file, which is**, Process.java**, **Process\_Scheduling.java**, **ProcessComparator.java**, **Entry.java,** and **process\_scheduling\_input.txt**

**Files to run this project:**

1. **Process.java –** this is class called Process that takes 4 atributes: ID, Priority, Duration, and Arrival time
2. **Process\_Scheduling.java** – this is main program file
3. **ProcessComparator.java** – this is for making comparing between processes if its priority equal
4. **Entry.java** – this is interface for key value pair
5. **process\_scheduling\_input.txt** – this is input file

**Data Structure:**

1. I used in this project **D - Array List** to store value from input file, then after some process it will go the **Q – Priority Queue** and will be deleted prom **D**
2. **Q – Priority Queue,** we need **Q** for the sorting the process by their priority and executing them one by one.

**The things that I learned from this project:**

1. I understand how to work with priority queue
2. How to implement comparator for the priority queue
3. This project helped me to improve my coding skills.