**Report (Assignment 2)**

**Group**: SE-2419

**Student**: Kaparov Darkhan

**My code:** [**https://github.com/SoftSarang/SDP\_assignment1/tree/master**](https://github.com/SoftSarang/SDP_assignment1/tree/master)

**Conclusion**

The Factory (including Abstract Factory) pattern helped me create clean, readable, and safe code within the scope of my subject. In the code, this pattern is applied to the Pizza class. The pattern enabled the implementation of pizzas for different styles (e.g., Italian and American) and types (e.g., cheese and veggie), while also allowing the assembly of various pizza combinations. Using the factory allowed me to efficiently create custom pizzas tailored to different user preferences, aligning with the principles of flexibility and extensibility outlined in the lecture.