**Third Party Libraries Used in the Project**

**Back End:**

1. C# / .NET 8.0
2. AngleSharp: used in web scrapping to create a dataset that was fed to our AI model. \*[AngleSharp/AngleSharp: :angel: The ultimate angle brackets parser library parsing HTML5, MathML, SVG and CSS to construct a DOM based on the official W3C specifications. (github.com)](https://github.com/AngleSharp/AngleSharp)
3. Selenium: used in web scrapping to create a dataset that was fed to our AI model. \*[Selenium](https://www.selenium.dev/)
4. DomTut.uz: the website we scrapped for real estate data. \* [Новостройки в Ташкенте | Квартиры в Ташкенте от застройщиков (domtut.uz)](https://domtut.uz/)
5. GeoCoordinate.NetCore: open source library to calculate the distance between to points on the map. \* [NuGet Gallery | GeoCoordinate.NetCore 1.0.0.1](https://www.nuget.org/packages/GeoCoordinate.NetCore/1.0.0.1)
6. OpenStreetMap: open source map data provider/database. \* [OpenStreetMap](https://www.openstreetmap.org/about)

**AI/ML:**

1. NumPy: an open source library for scientific calculating with Python. \*[NumPy](https://numpy.org/)
2. Scikit-Learn: an open source machine learning library. \* [scikit-learn: machine learning in Python — scikit-learn 1.5.2 documentation](https://scikit-learn.org/stable/)
3. Pandas: data analysis libraray. \*[pandas - Python Data Analysis Library (pydata.org)](https://pandas.pydata.org/)
4. JobLib: for compression and the execution of the AI model. \*[Joblib: running Python functions as pipeline jobs — joblib 1.4.2 documentation](https://joblib.readthedocs.io/en/stable/).