BSCSE

Project Title: ATOMIC DICTIONARY

Course Title: OBJECT ORIENTED PROGRAMMING

Submitted To:

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OUR TEAM

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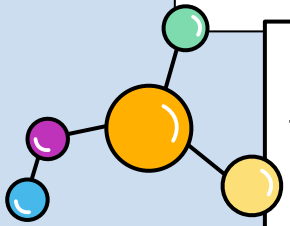
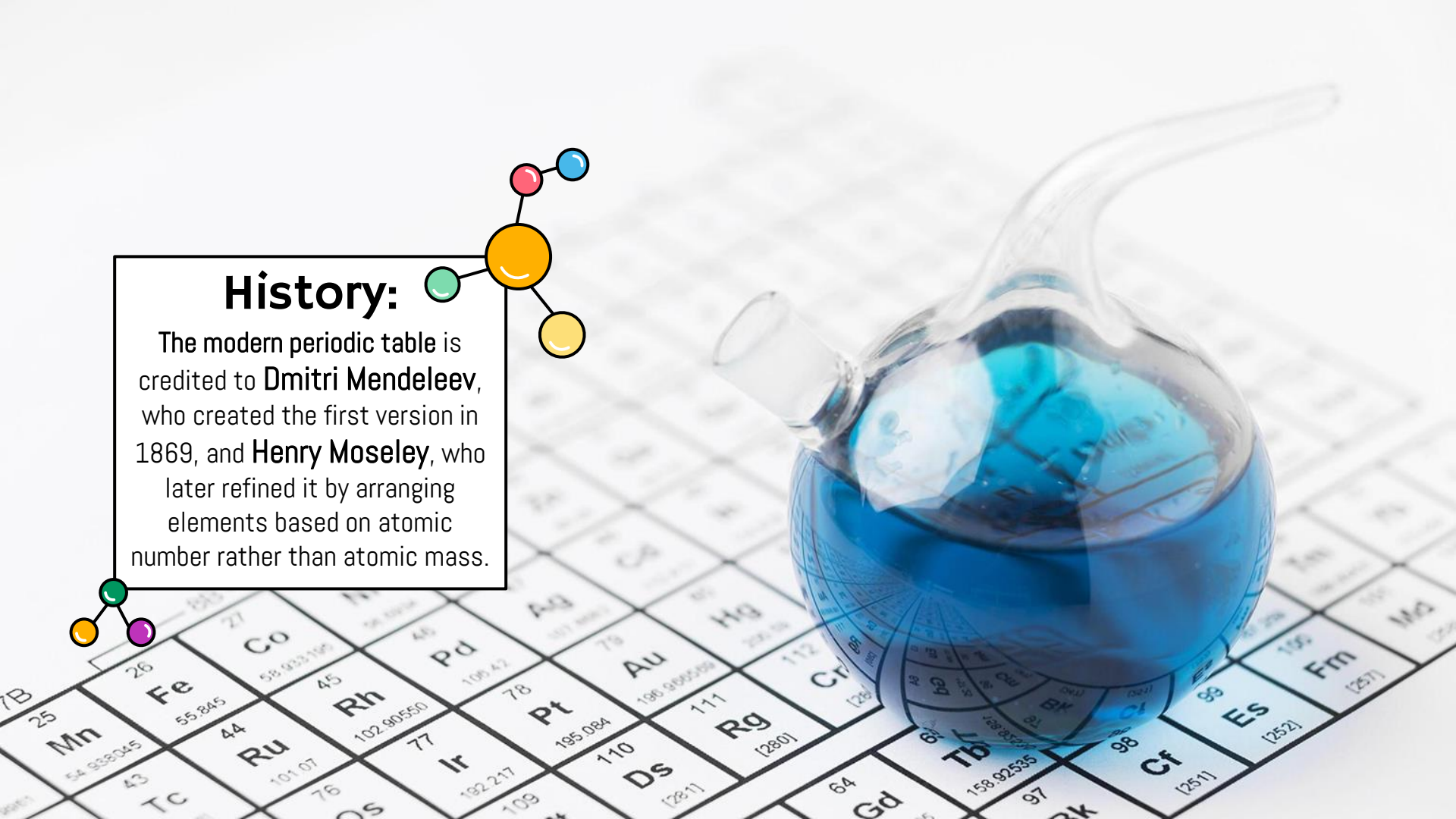
INTRODUCTION



The **Atomic Dictionary** is a desktop app that helps users quickly find information about elements. By entering an element's name or symbol, users can easily access its details. This project makes learning about the periodic table simple and efficient. It is referenced by Modern Periodic Table.

History:

The modern periodic table is credited to **Dmitri Mendeleev**, who created the first version in 1869, and **Henry Moseley**, who later refined it by arranging elements based on atomic number rather than atomic mass.



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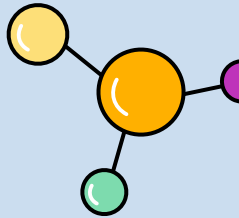
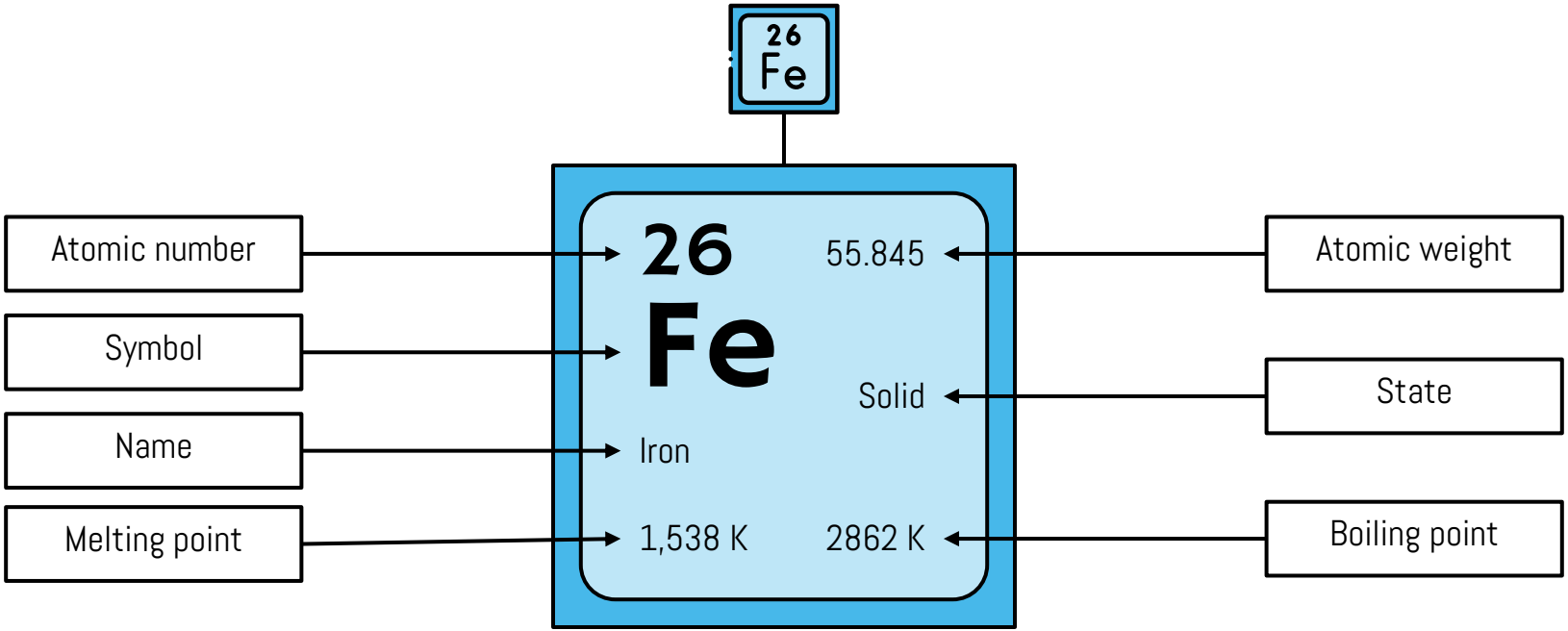
OBJECTIVES

- To create an easy-to-use app for exploring the periodic table.
- To provide accurate and detailed information about elements in one tap.
- To improve skills in software development using C# as well.



THE KEY INFORMATIONS THAT WE'LL PROVIDE



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FEATURES

- ❑ Search for elements by name or symbol.
- ❑ View detailed information like atomic number, weight, and group.
- ❑ Easy navigation with a simple and user-friendly interface.
- ❑ Works as a standalone app without extra software.

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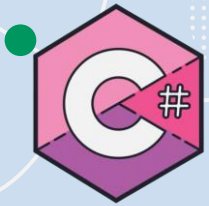
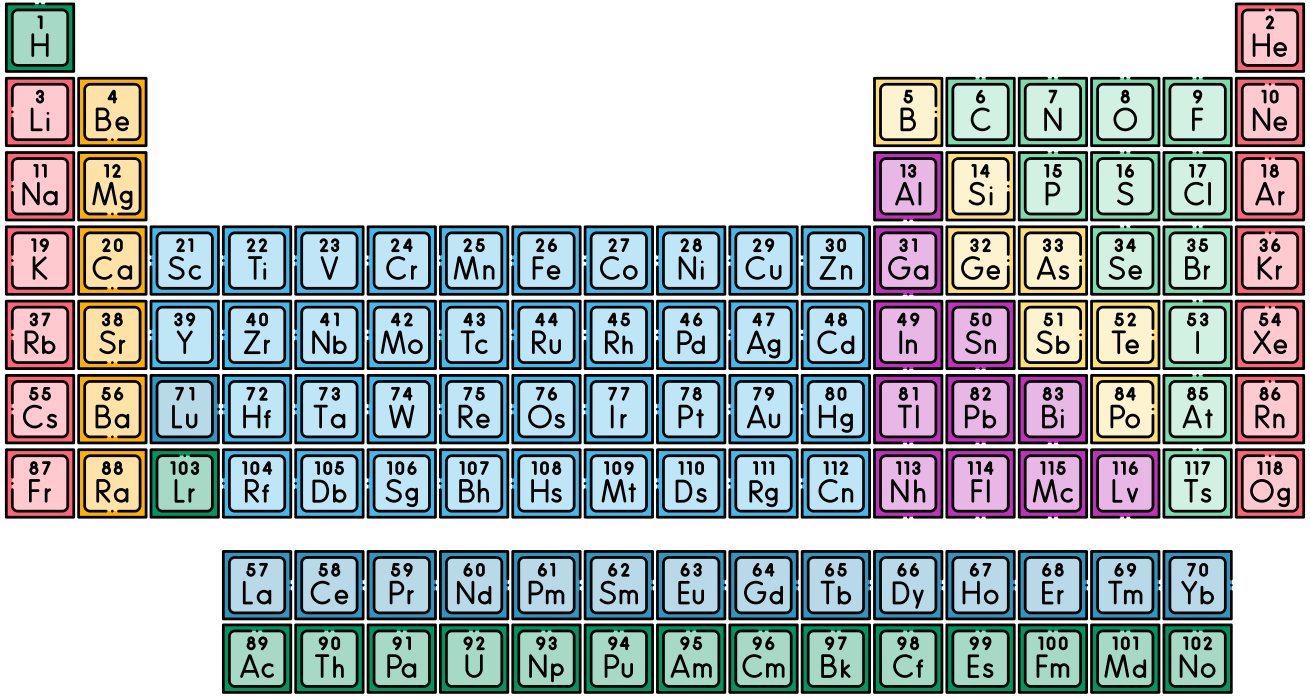
SOFTWARE AND TOOLS

- **Programming Language:** C#
- **Development Environment:** Visual Studio Community 2022
- **Reference:** Periodic Table Data



THE MODERN PERIODIC TABLE



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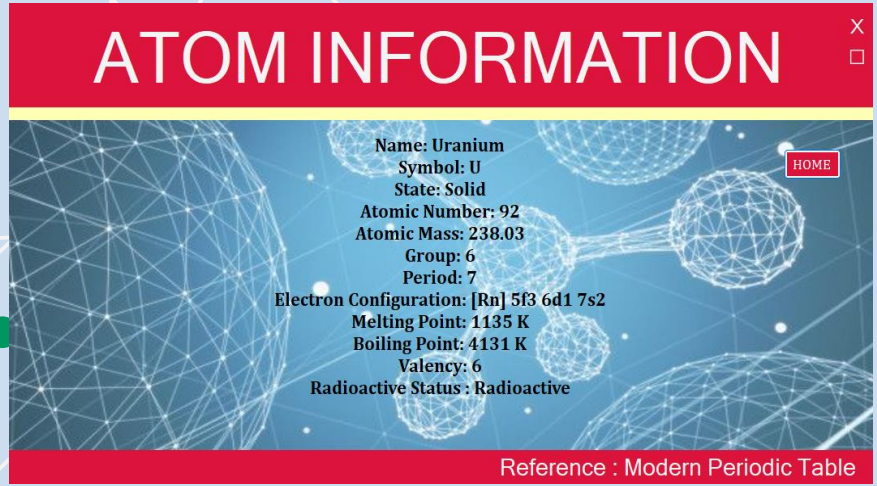
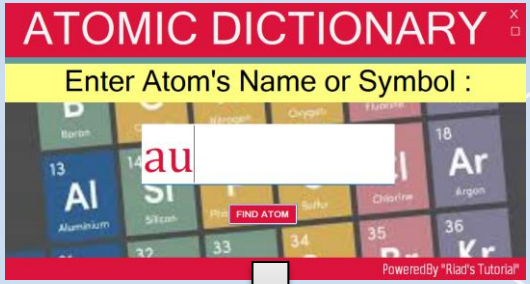
PROJECT DESIGN

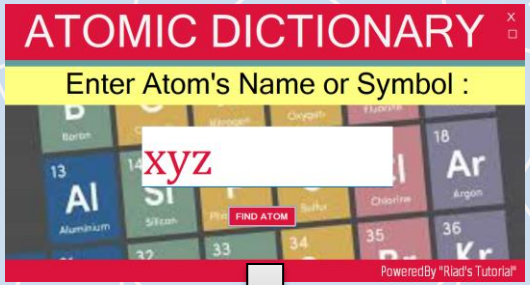
We have two forms for the project.

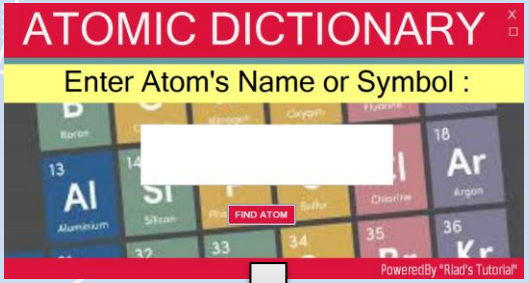
Form 1: Takes input from User.
Form 2: Provides output for the particular atom.
It has Navigation Workflow like, Keyboard shortcuts for quick actions **(Enter to search, Esc to return).**

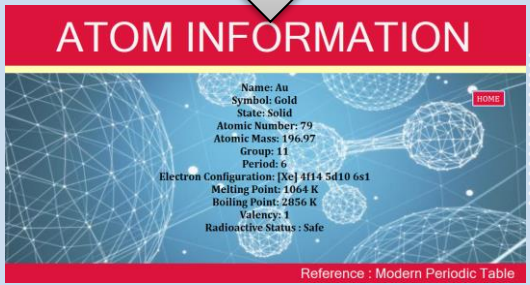


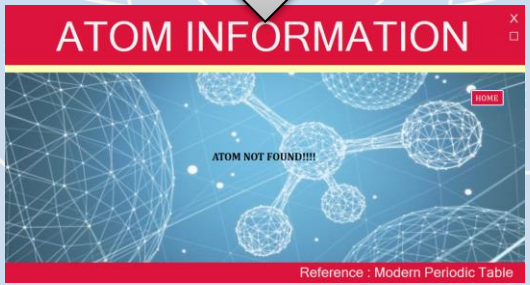
PROJECT DESIGN : Outputs

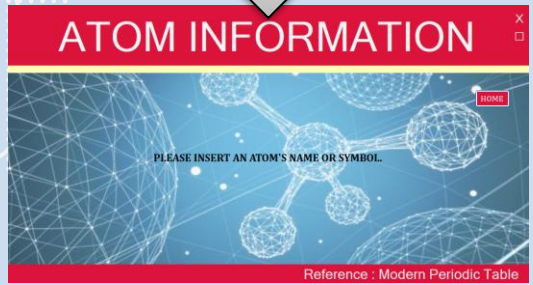












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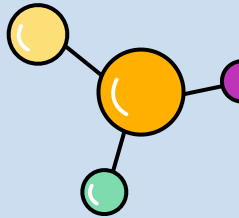
CHALLENGES FACED

- Form Navigation Issue
- Data Retention in Input Field
- Deployment
- Key Functionality



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FUTURE PLANS

- Develop the Atomic Dictionary for Android devices.
- Implement an auto-suggest feature in the input box to help users find elements faster.

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CONCLUSION

That's all about our project. We tried to make it more smooth and user-friendly. We are now in initial stage but hoping to do better with our future plans on this project.

THANKS

Do you have any questions?