

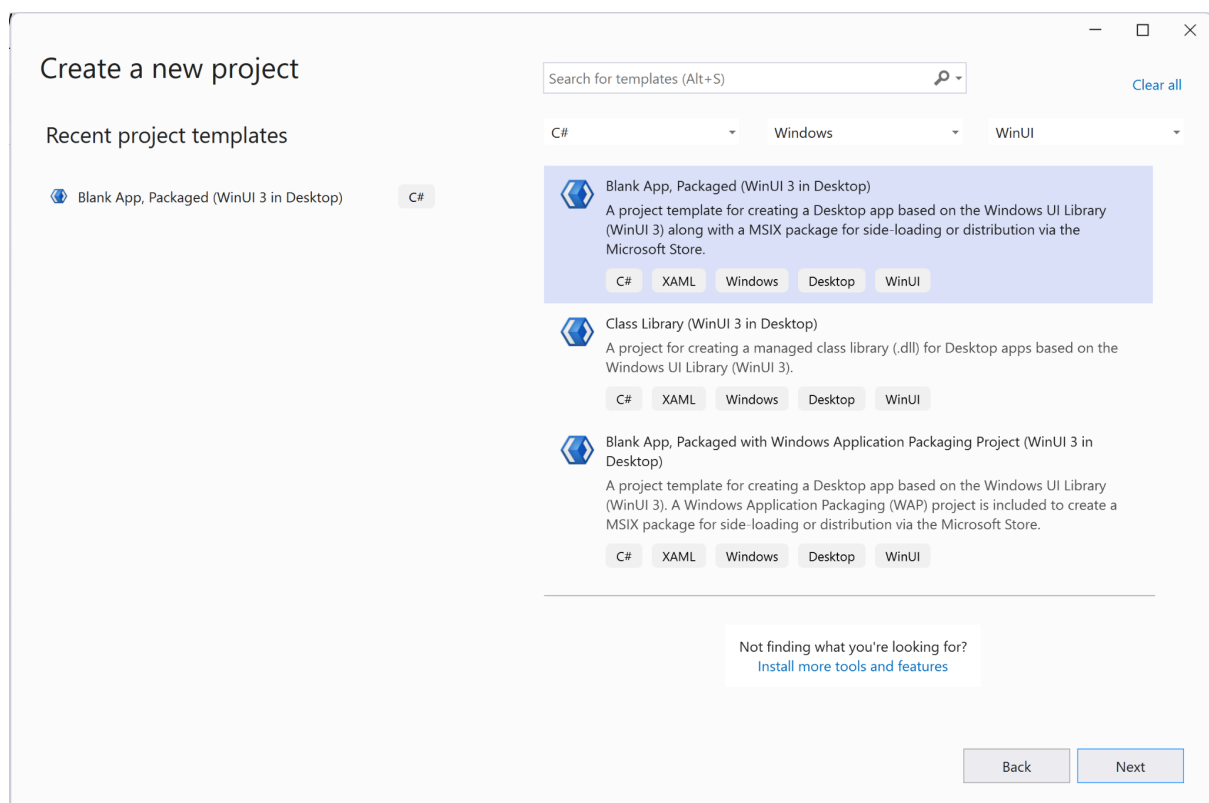
Summary

This assignment requires the use of **C# 10** / **.NET 6.0** and **WinUI 3**. If the candidate is not familiar with WinUI 3, they are expected to learn the necessary skills to complete the assignment. The WinUI 3 Gallery App

(<https://www.microsoft.com/store/productId/gP3JFPWWDZRC>) is a useful reference.

Setup Assistance

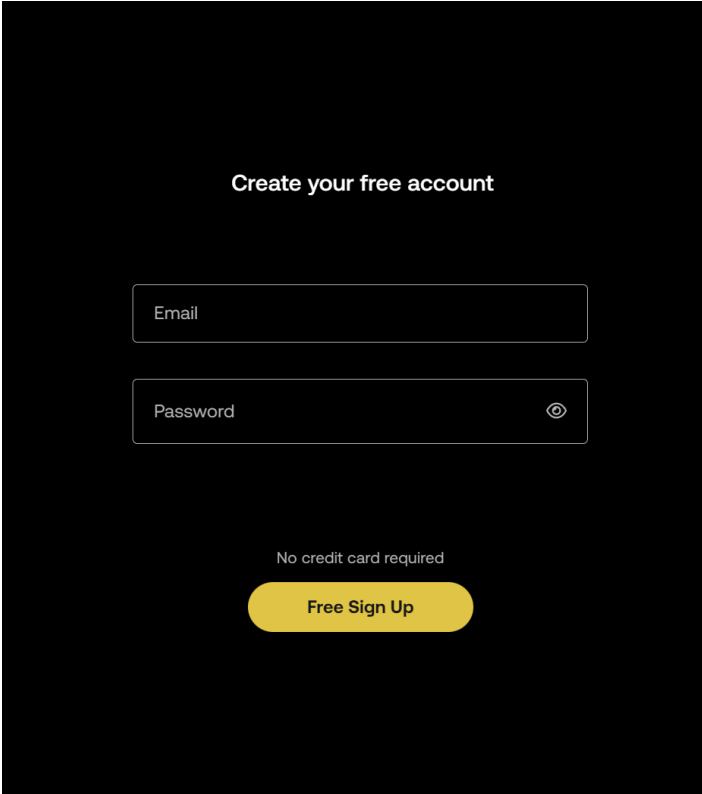
- Visual Studio Professional 2022
 - Install the 'NET desktop development' workload
 - Enable 'MSIX Packaging Tools'
 - Enable 'Windows App SDK C# Templates'
 - Install the 'Single-project MSIX Packaging Tools for VS 2022' extension
- Create a new project using the 'Blank App, Packaged (WinUI 3 in Desktop)' template



Requirements

Implement an application with a main window containing the following UI components.

- Read-only text "Create your free account" and "No credit card required"
- Text box for entering an email address
- Text box for entering a password
- A "Free Sign Up" button
- **Optional:** Toggle between displaying the password as plain text or asterisks



Create your free account

Email

Password

No credit card required

Free Sign Up

The data entered in the text boxes should be validated when the "Free Sign Up" button is clicked.

- The "Email" text box should not be empty
- The "Password" text box should contain at least 8 characters including at least one uppercase letter, one lowercase letter, and one number

If any of these validation criteria fail when the "Free Sign Up" button is clicked, a descriptive error message should be displayed.

Create your free account

Email

Email is a required field

Password

Password is a required field

No credit card required

Free Sign Up

If all validation criteria succeed, there should be some indication that 'sign up' was successful.

The UI components should be styled to match the screenshots above as closely as possible.

Deliverables

- A link to a Git repository such as GitHub that contains the source code for a working application
- A brief document that describes the architecture and design decisions made during implementation

Evaluation Criteria

- Quality of the user interface design and styling
- Implementation of data validation rules
- Code quality, including readability, maintainability, testability and use of appropriate programming patterns and practices (such as MVVM)
- Ability to communicate and document design decisions and architecture