

Technical Documentation

Tools & Components

Application developed using Visual Studio Community 2019 v.16.4.3, on the .NET framework 7.4.2.

VS solution items:

- TestTask project: Standard WPF application.
 - Basic MVVM implementation
 - WPF XAML:
 - basic binding (one way)
 - usage of DataTemplate & StyleTemplate
 - No UI clean up (prettify to be introduce later)
 - Images integrated to the project and embedded at compile time
 - Abstraction and DI principal implementation (interface, factory pattern)
 - Decoupling to insure testing is possible
- TestTaskTests: UnitTest project, testing the 'non-view' components of the application.

Roadmap

1. Introduce 'Inversion of Control' by adding an IoC container (type Autofac) and implementing the 'Root Component Pattern'.
2. Add test for the 'View' components of the application.
3. Add the ability to cancel the ongoing race by clicking on a "cancel" button – with confirmation.
4. Introduce Navigation between view.
5. Add Editing of the race results [updating time to a valid value & addition/removal of IRM] in a separate view. Update should be available during the race & after race ended.
6. Add ability to load existing race results and modify them.
7. Add globalization.
8. Rework UI look&feel with UX Designer.