

## Research Project Plan

**Research Topic:** Comparative Analysis of Animation Performance between WPF and SplashKit.

**Research Question:** How does the animation performance of WPF and SplashKit compare in terms of rendering smoothness, rendering time?

**Research Method:**

This study employs a comparative analysis approach to investigate the animation performance between Windows Presentation Foundation (WPF) and SplashKit. The method involves benchmarking both frameworks through the development of standardized animation tasks, focusing on rendering smoothness, rendering time with the same frame rate and time execute. Both of the tests are implemented in the same computer, with same system property in Visual Studio 2022 and C# 11.