



Concurrent Programming

Pass Task 05: Rendezvous

Overview

A Rendezvous will allow two threads to meet at a given point. This ensures that both parties are ready before either proceeds.

Pass Task 05 — Submission Details and Assessment Criteria

You must submit the following files to Doubtfire:

- Rendezvous source code (Rendezvous.cs)
- Rendezvous Test class (RendezvousTest.cs)

Instructions

Create a Rendezvous class in your *concurrent utilities library*. Implement the following features:

- Private semaphores to control the two threads.
- **Arrive** method - when a Thread arrives at a Rendezvous, it waits for the other thread to arrive before they both continue.
- Ensure that all public features, including the class, have XML documentation.

Create a Rendezvous Test class that demonstrates the use and features of a Rendezvous. In this case the features you want to demonstrate are:

- When one thread arrives it does not continue.
- When a second thread arrives, both the first and second thread proceed.
- This pattern can be repeated.

Note: Make sure the output show if the Rendezvous is/isn't working correctly. Lots of fast output is bad!