Assumptions:

1) Generate valid and invalid lap records (incorrect or missing data would be invalid)

Application doesn't allow to insert invalid record in database.

2) Ability to send data on a repeated loop (i.e. send another lap record every 5 seconds)

This applies on Lap Report page to refresh page every 5 seconds

3) User enters data from UI Page into the database

4) Lap Time is in mm:ss format can change in hh:mm:ss

5) Can use Flex and theme but due to time constraints did basic UI

To run the Application:

1. Download the source code and open LapGenerator.sln in visual studio
2. Right click on Solution LapGenerator in Solution Explorer
3. Click on Startup Project and select Multiple startup projects as below

Graphical user interface, application

Description automatically generated

1. Now run the application