Introduction to LabVIEW

1. Preparing for the exercise

Browse through at least the parts 1, 2, 6, and 7 from the Introduction to LabVIEW[1] –series.

The parts mentioned also include videos to get a better understanding of the LabVIEW user interface and development with the environment. By watching all 6 videos you'll get a good base for LabVIEW. The videos are only around 20 minutes in total.

2. Developing Formula 1 start lights using LabVIEW

The F1 start lights consist of 5 lights, which are turned on one by one on 1 second intervals. After the last light is turned on, all the lights are turned off after 1-4 second wait. The start procedure is described in Figure 1.
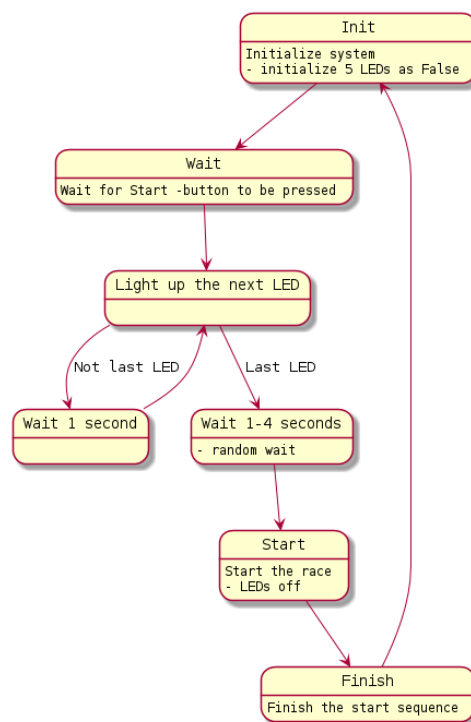

Figure 1: The Formula 1 starting procedure.

The exercise will be carried through as a demonstration. The project will be implemented as a state machine, and a similar structure is expected to be used in the assignment work also.

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[1] http://www.ni.com/getting-started/labview-basics/