

## **Project 3**

### **Dynamic Design**

Egypt Future Work Digital Scholarship (FWD)

Name: **Menna Tallah Atef Abdel-Aal**

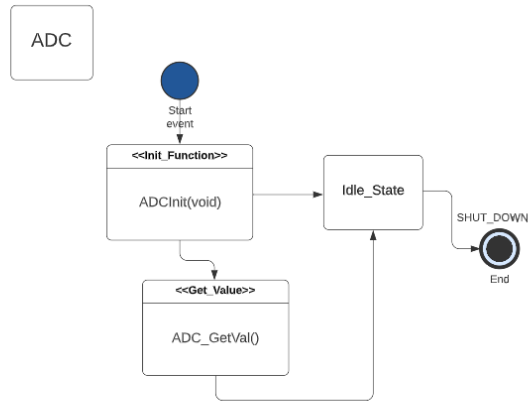
Email: [menna.atef457@gmail.com](mailto:menna.atef457@gmail.com)

Connect Sessions: Monday 8:00-10:00 PM

# ECU1 Components

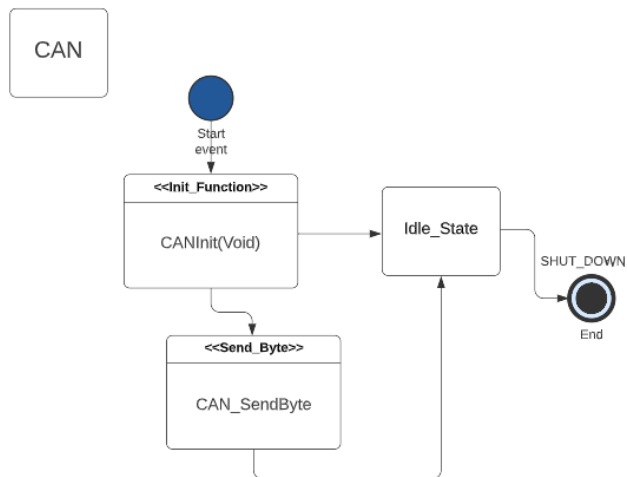
## ECU\_1 Components

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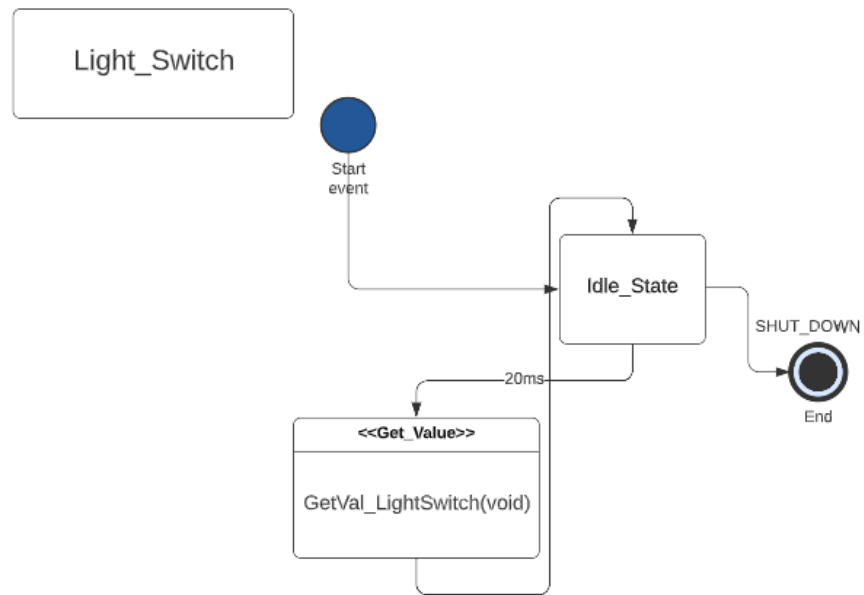
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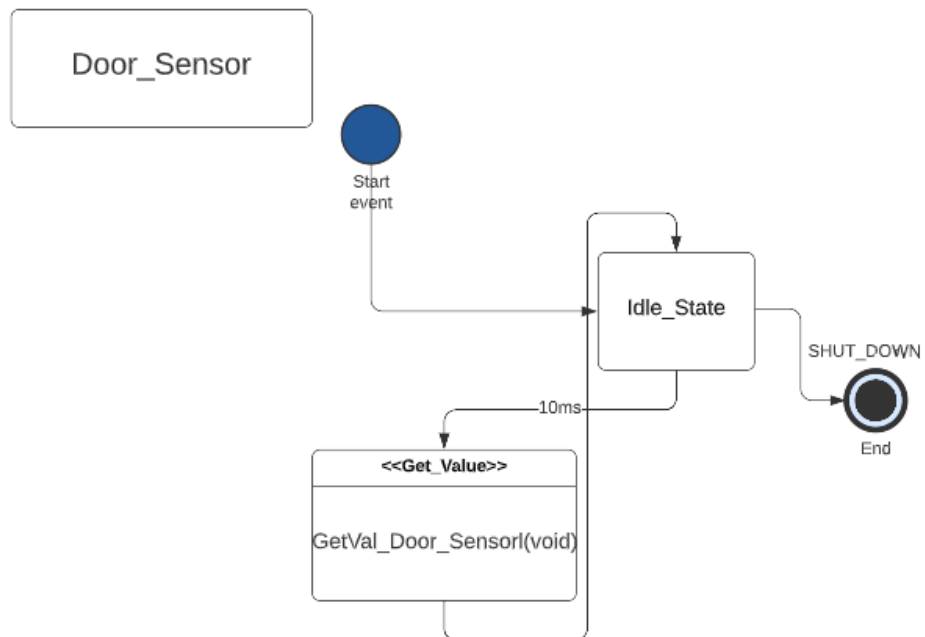
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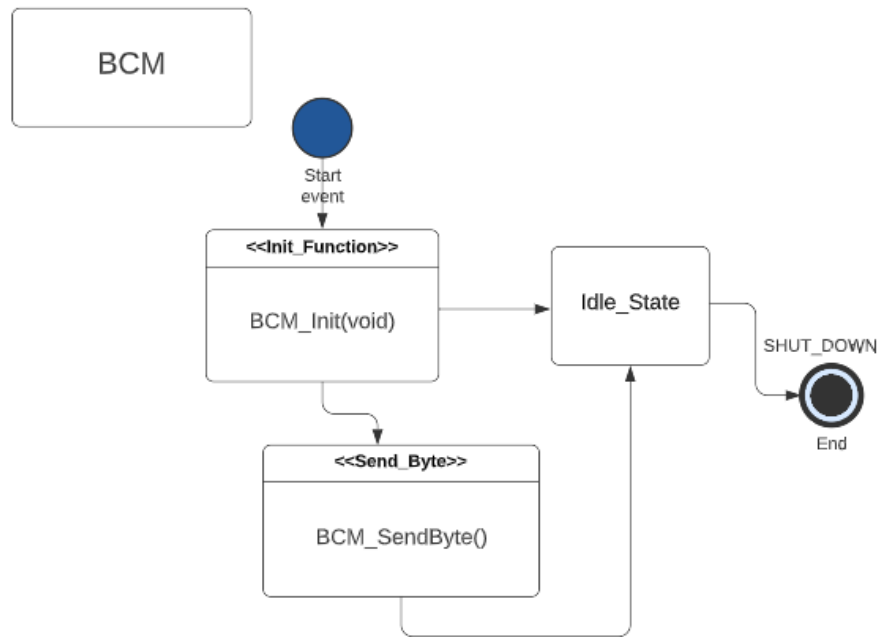
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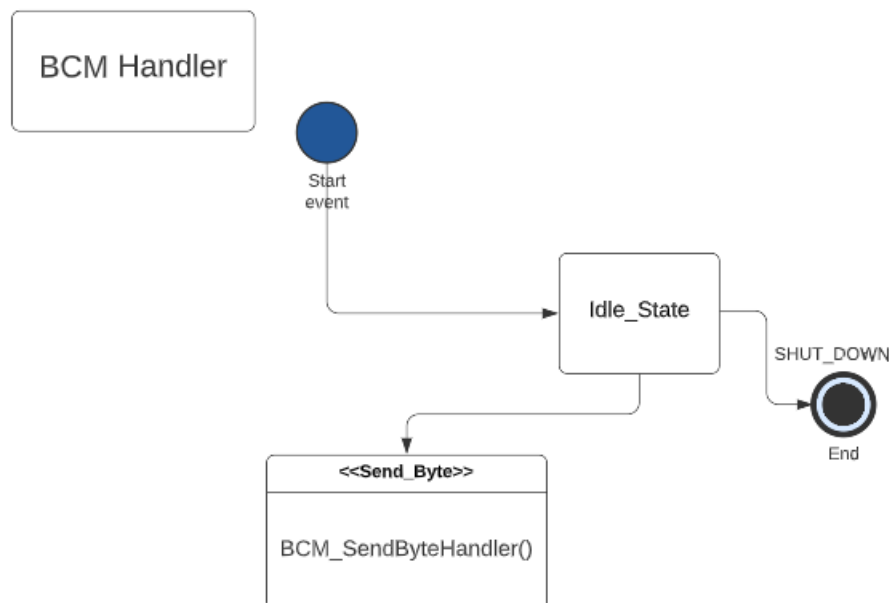
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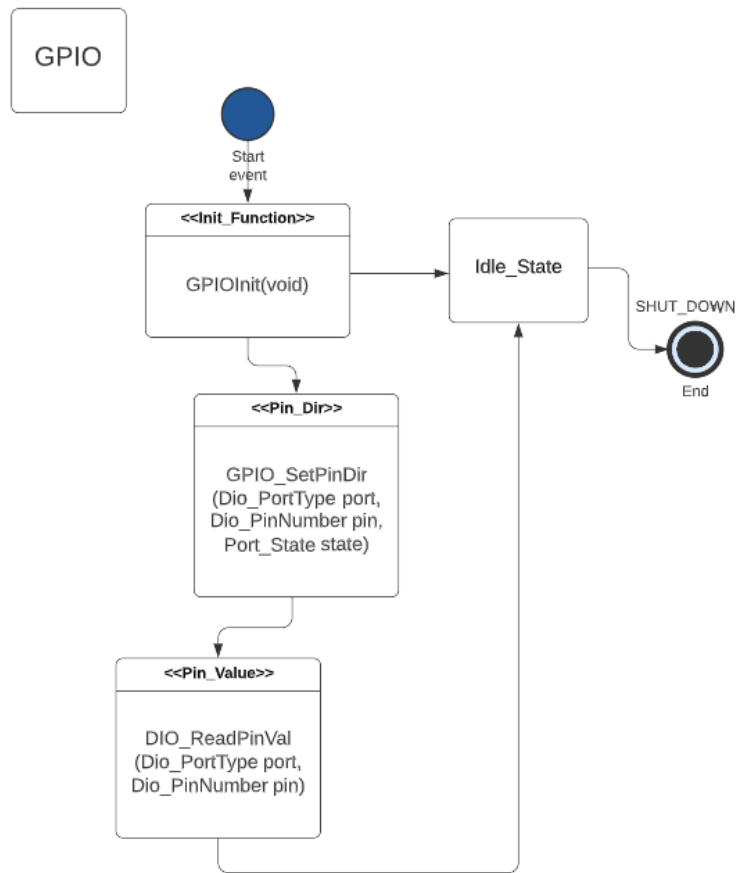
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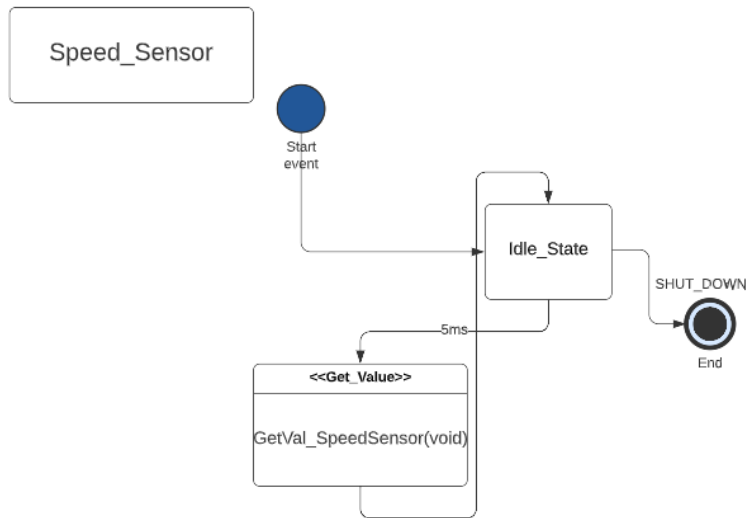
## ECU\_1 Components

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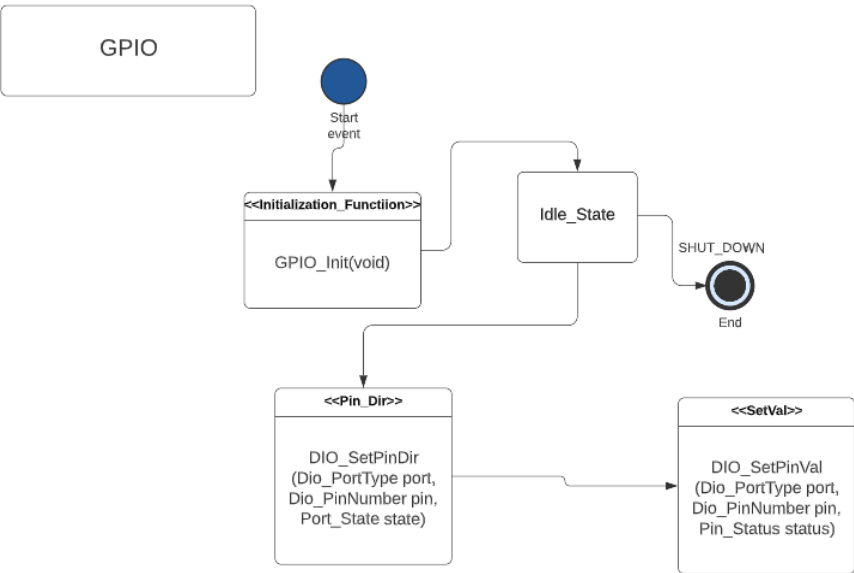
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# ECU 2 Components

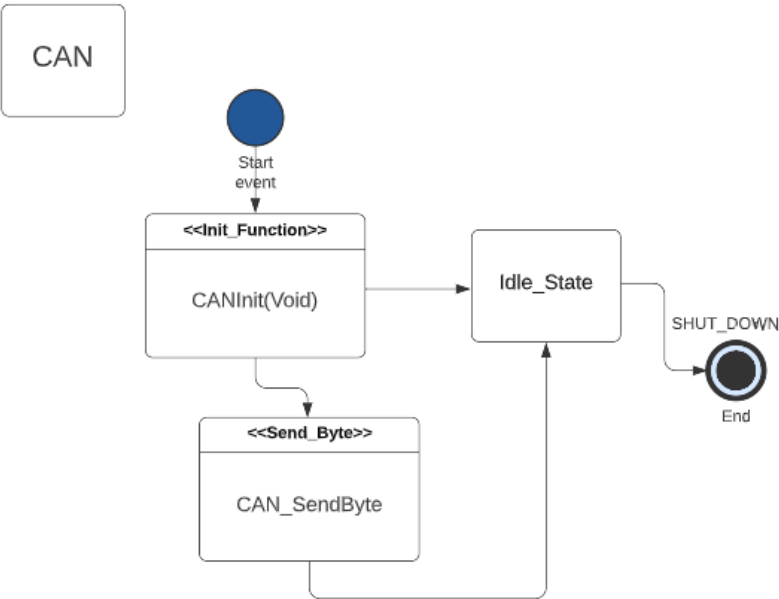
## ECU\_2 Components

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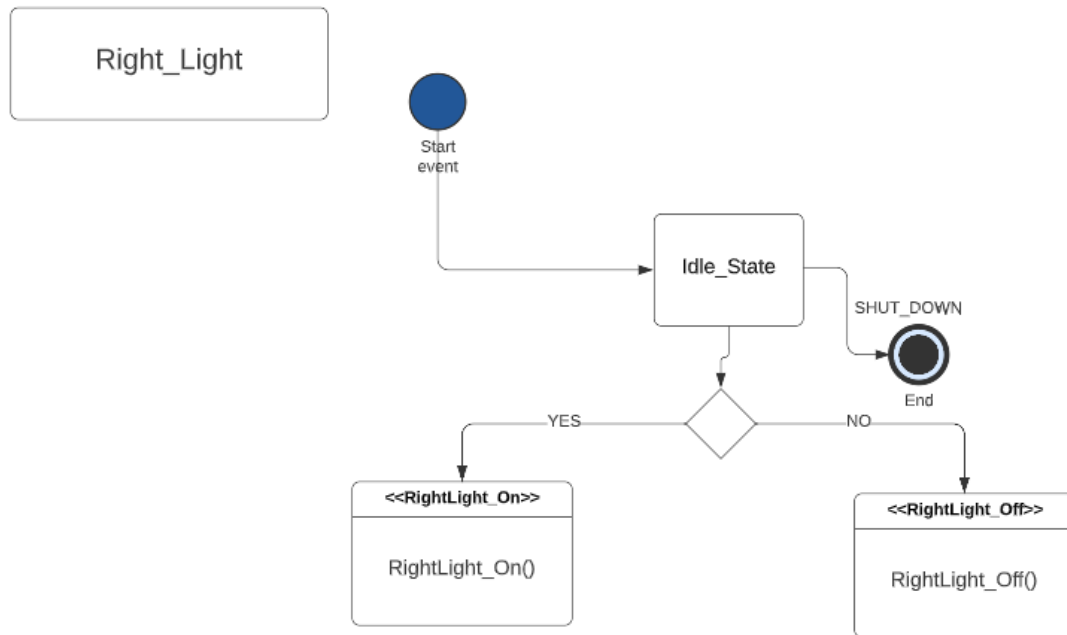
## ECU\_2 Components

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## ECU\_2 Components

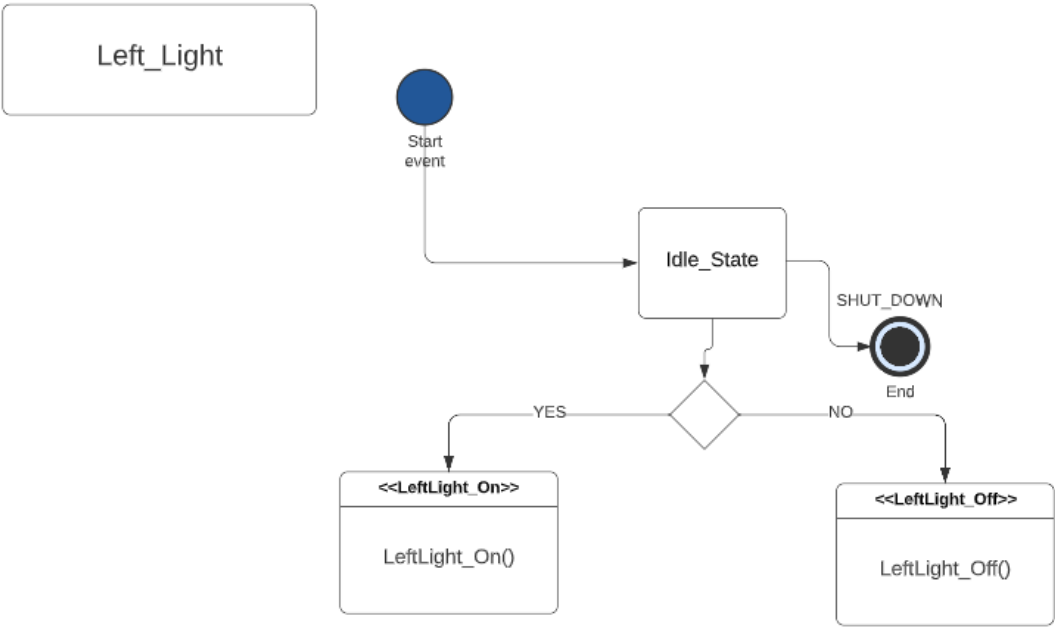
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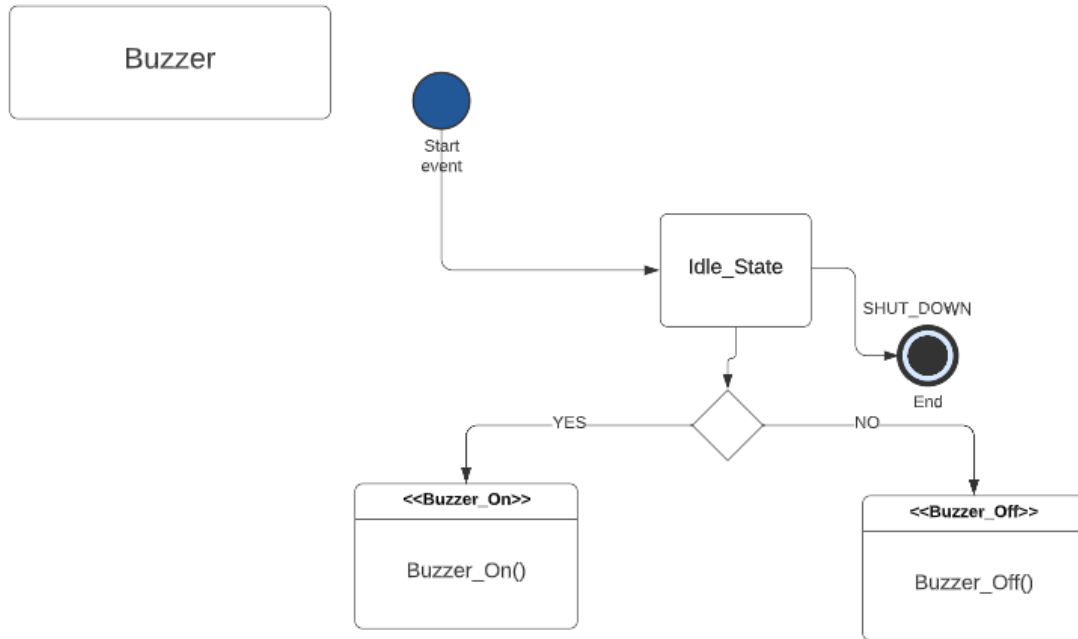
ECU\_2 Components

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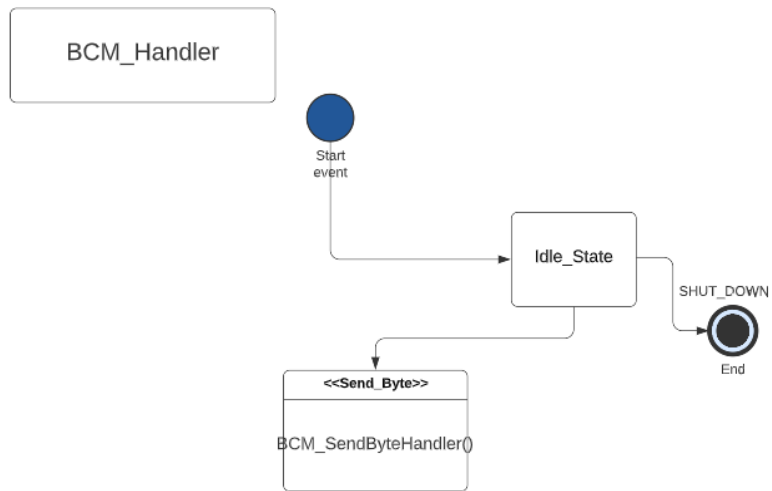
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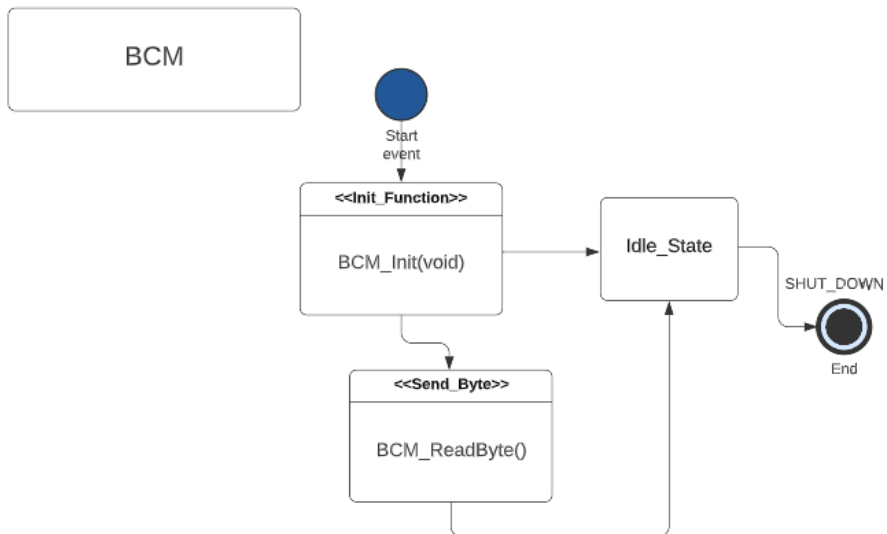
## ECU\_2 Components

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## ECU\_2 Components

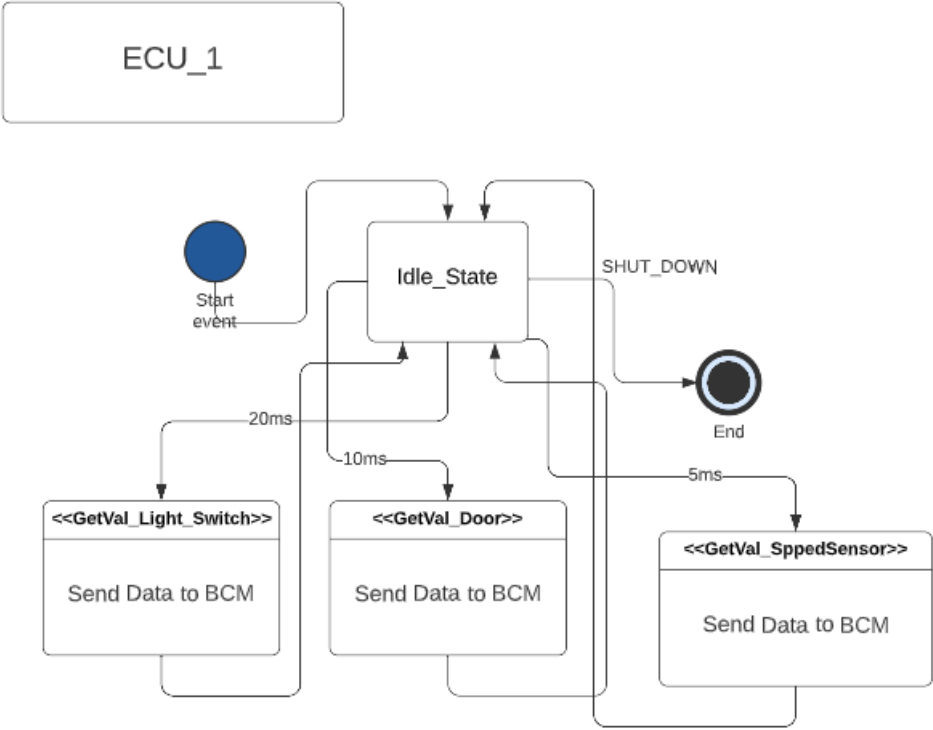
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# ECU Operation

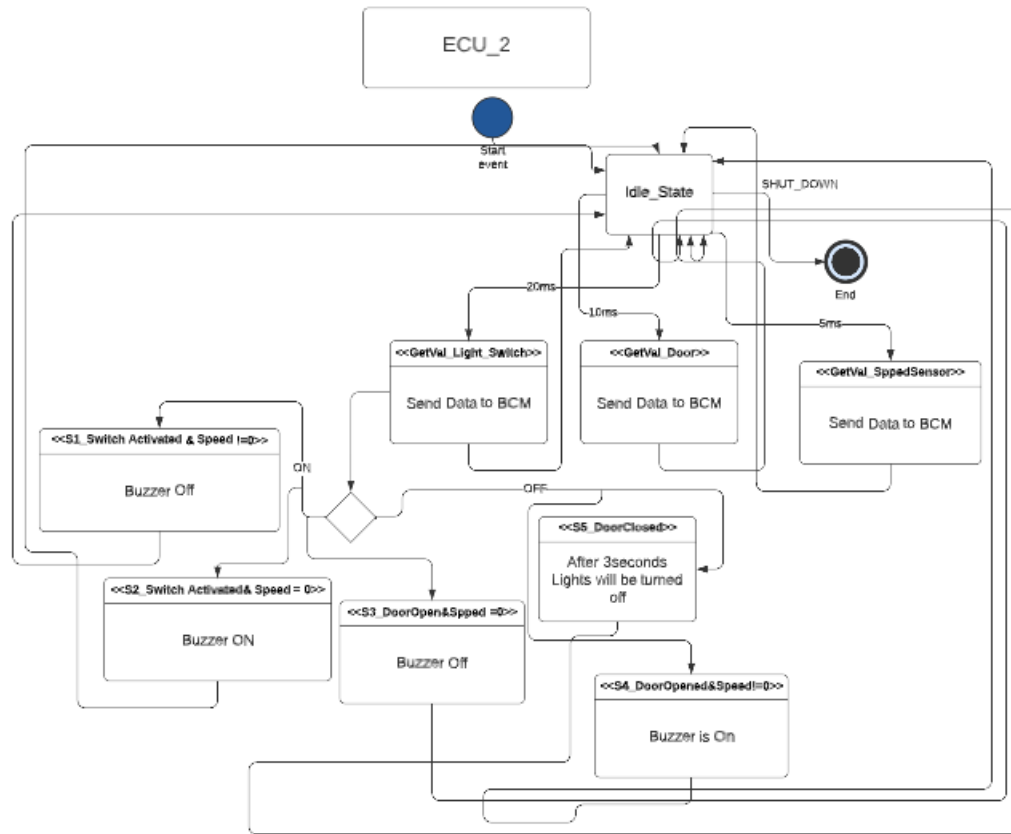
## ECU\_1 Operation

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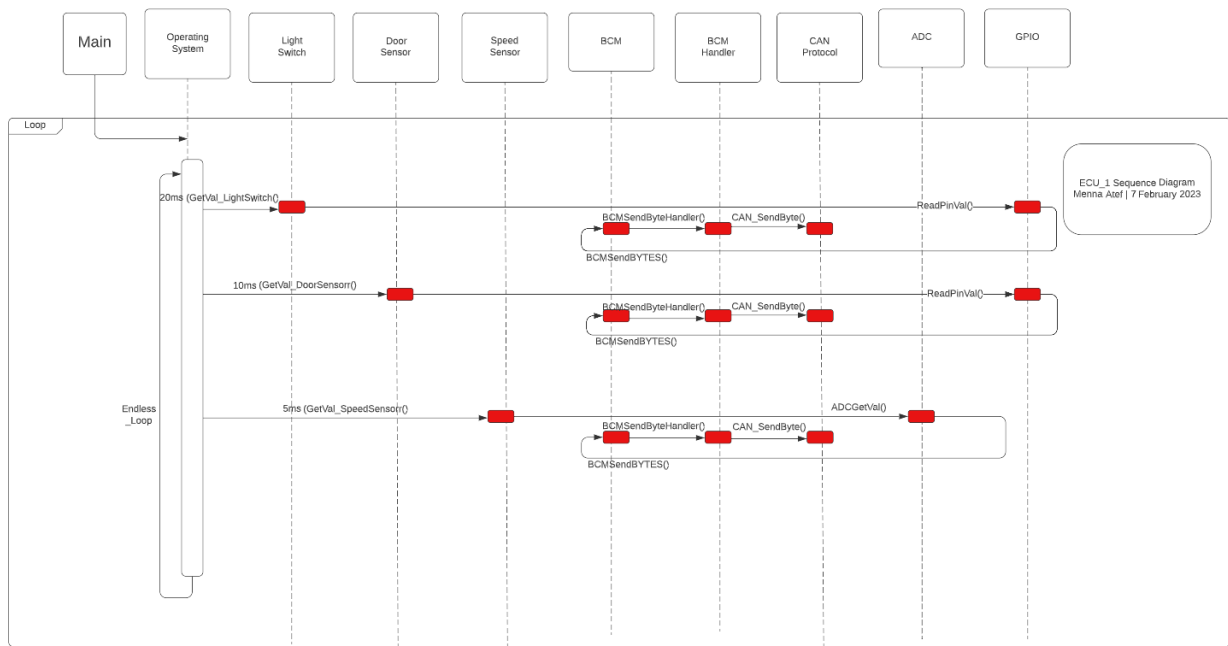


## ECU\_2 Operation

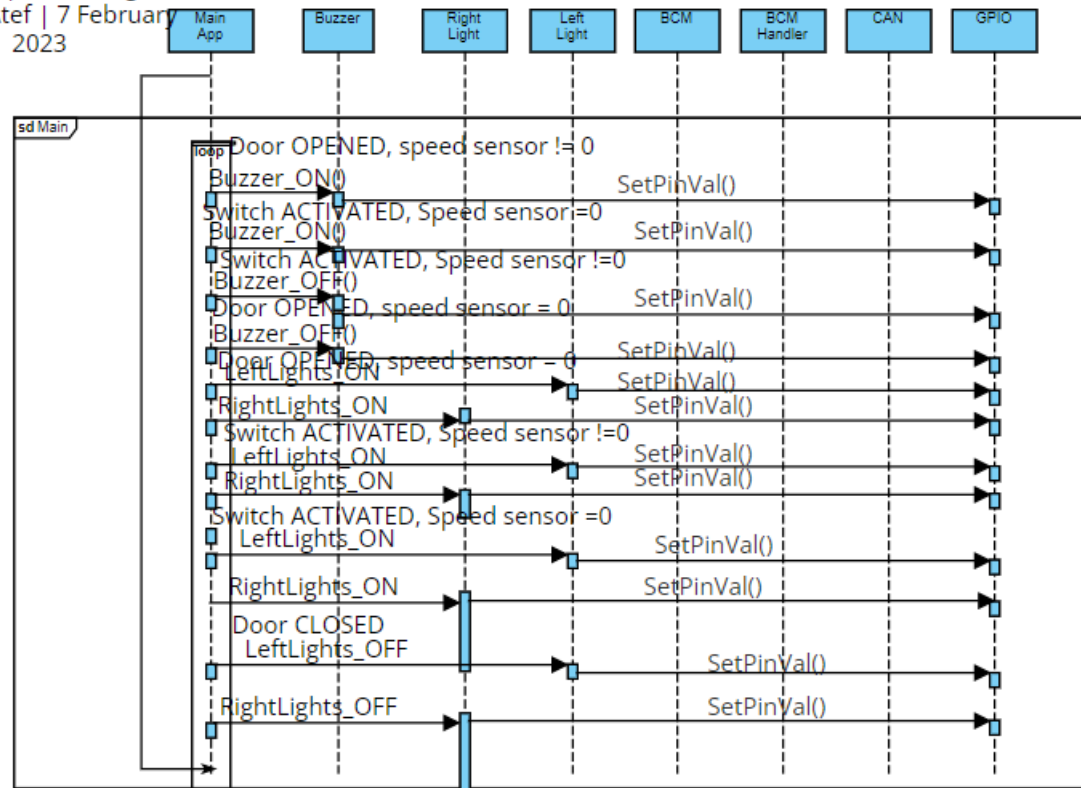
Version: 1.0 | February 7, 2023



# ECU Sequence Diagram



## 2023

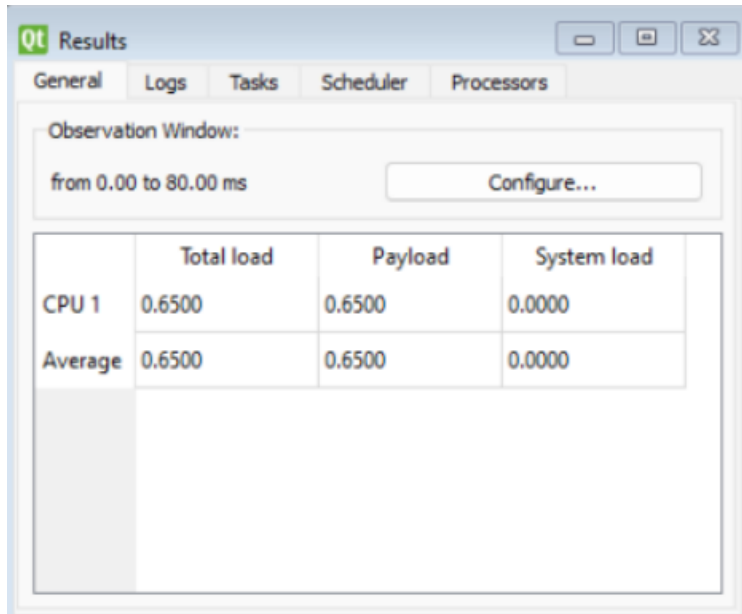


## CPU Load

Assume periodicity = Deadline

Assume execution time = 2 ms

CPU Load = 65%



The image shows a screenshot of a Qt application window titled "Qt Results". The window has a tabbed interface with tabs for "General", "Logs", "Tasks", "Scheduler", and "Processors". The "General" tab is selected. Inside the window, there is an "Observation Window:" section with a text field showing "from 0.00 to 80.00 ms" and a "Configure..." button. Below this is a table with four columns: "CPU 1", "Total load", "Payload", and "System load". The table has two rows of data: "CPU 1" and "Average". The values for "Total load" and "Payload" are 0.6500, and for "System load" is 0.0000.

	Total load	Payload	System load
CPU 1	0.6500	0.6500	0.0000
Average	0.6500	0.6500	0.0000