Sequence Diagram:
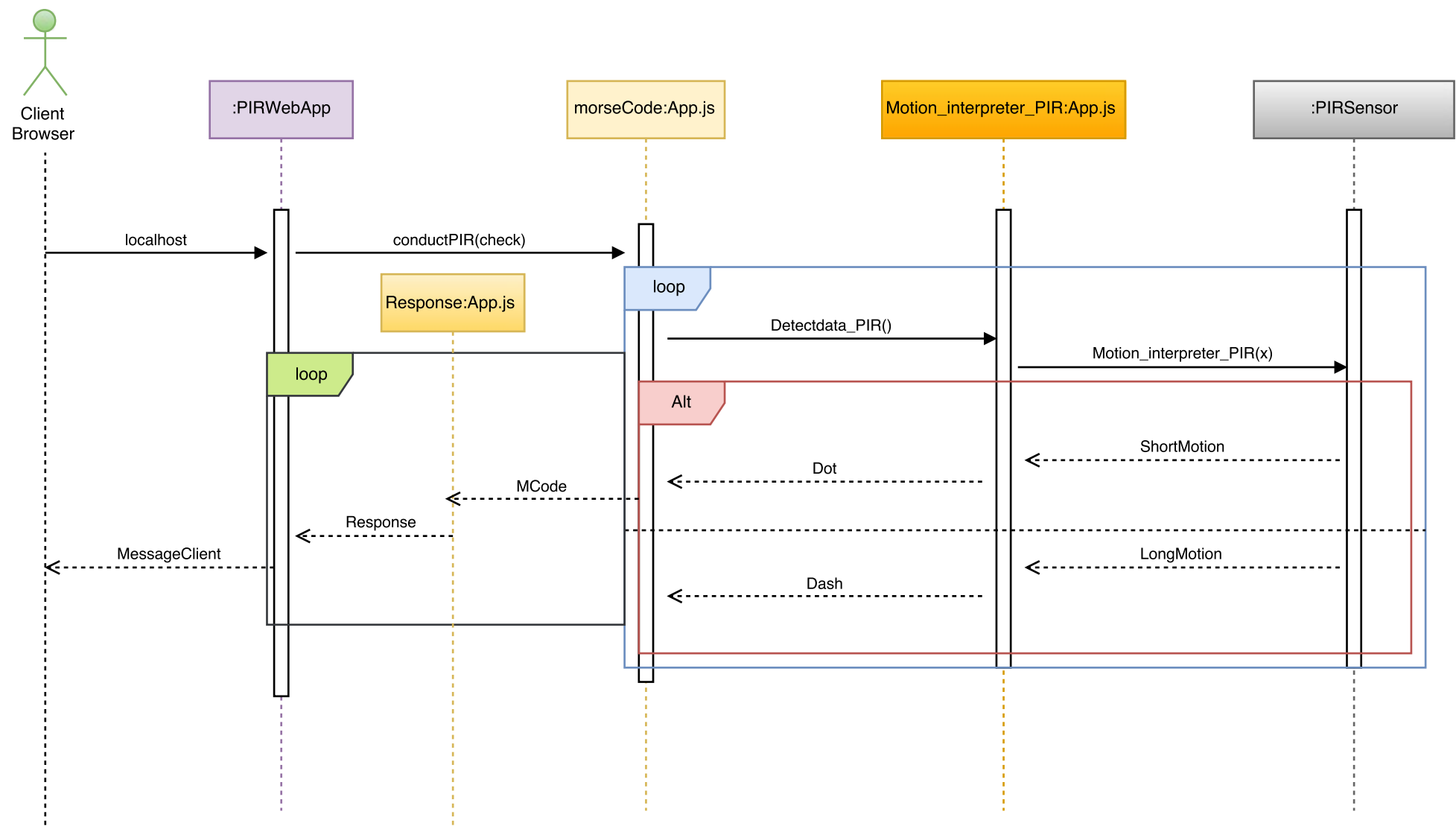

Assumptions:
1. The loop will go on continuously as long as the code runs
2. The response will only go when there is a responsive code.