

SPRS-2 Feature Document

User should be able to send API calls to throttle the car

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Project: SPARSE

Product Owner(s): Miguel Alonso Jr

Mentor(s):

Instructor: Masoud Sadjadi

SPRS-2 - User should be able to send API calls to throttle the car **DONE**

Description

As a User I should be able to send API calls to throttle the car

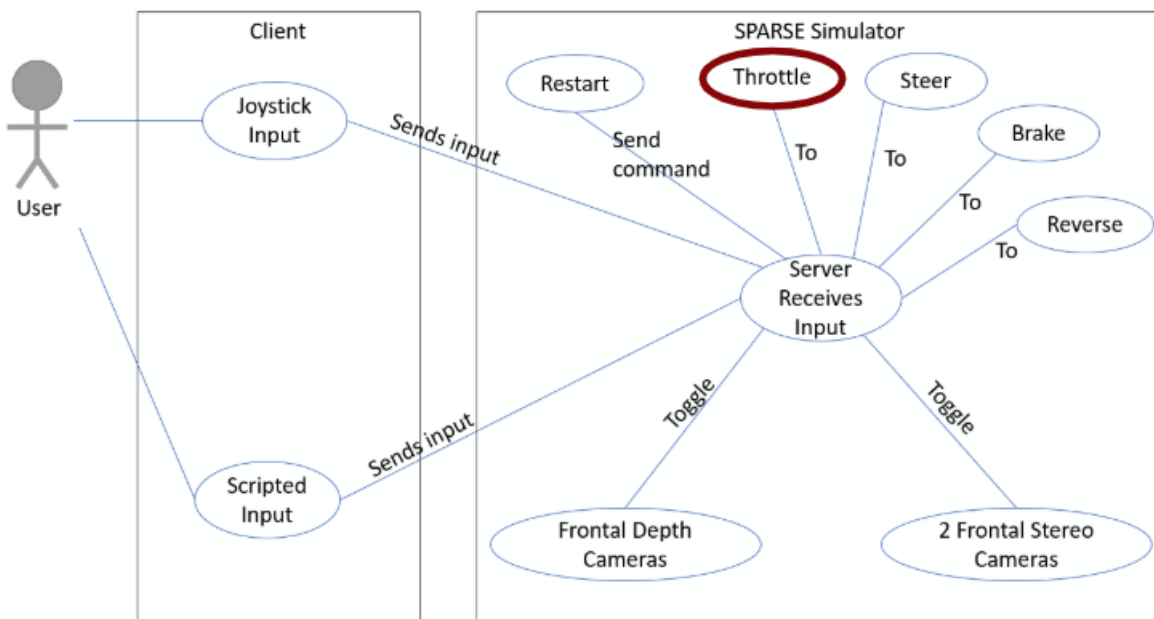
Acceptance Criteria

- make an API can from the client that throttles our vehicle

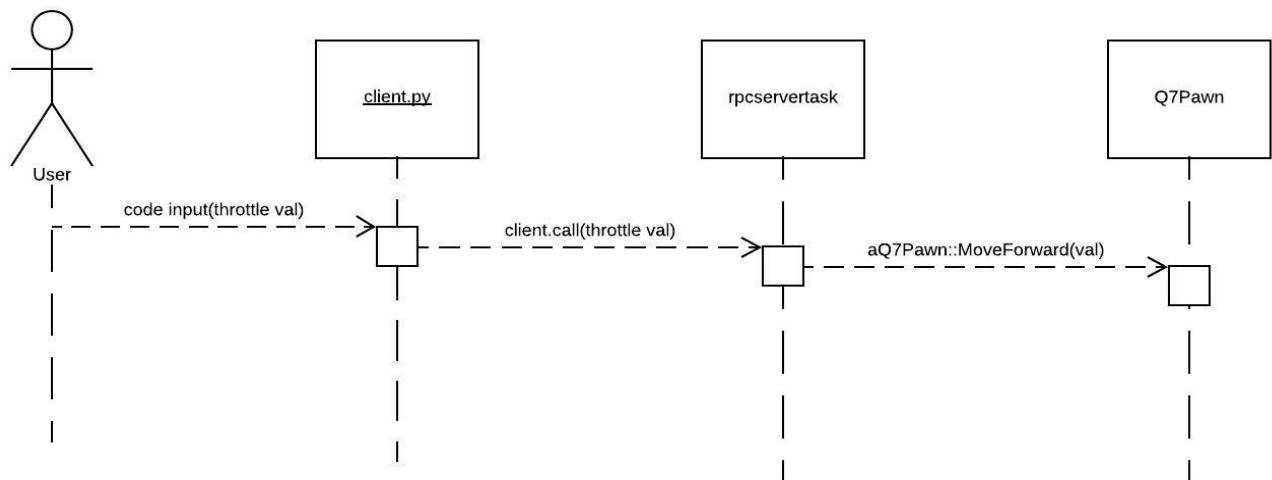
Use Case

- Name: Throttle API Call
- Actor: AI developer
- Preconditions: Unreal compiles and runs, RPC connection
- Description <Flow of events>: User is able to send API calls from the client that throttles our vehicle

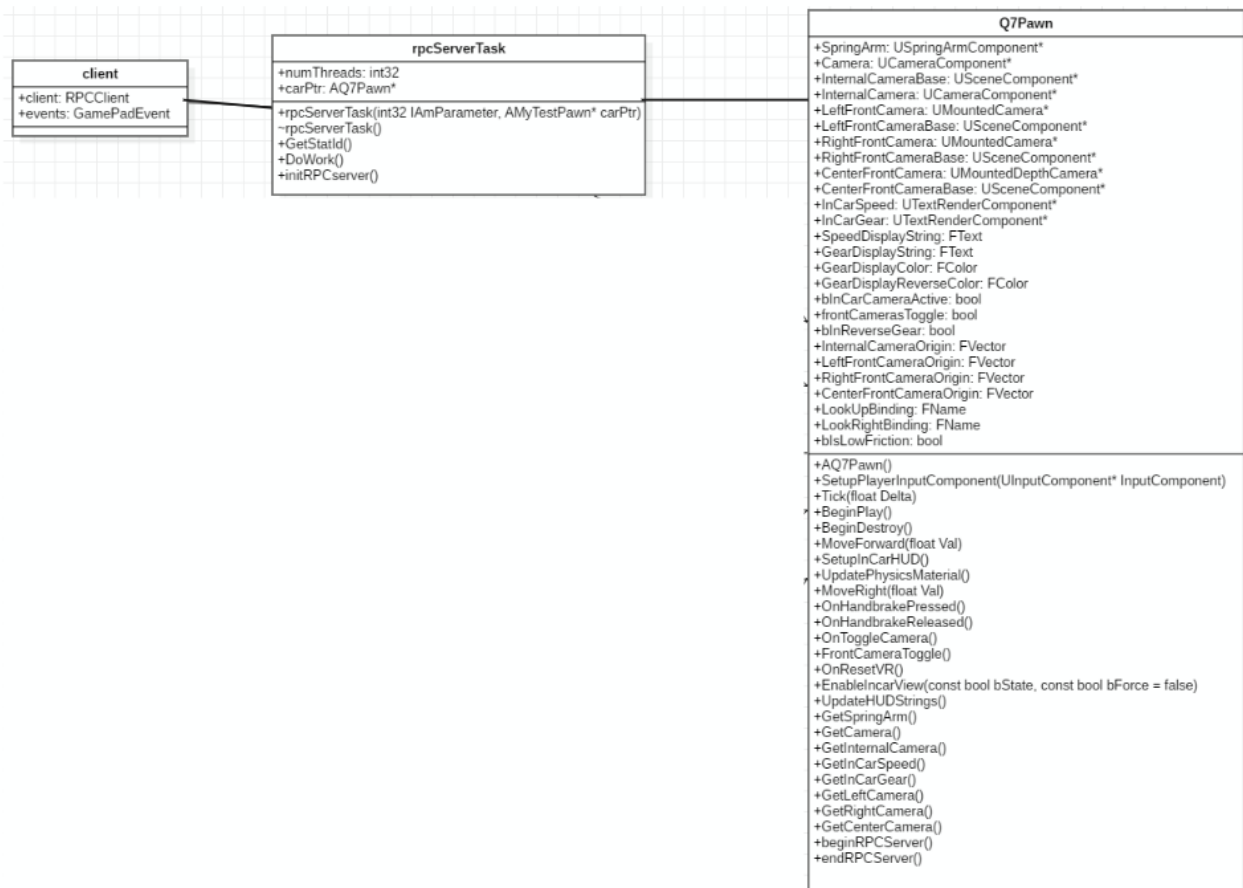
Use Case Diagram



Sequence Diagram



Class Diagram



Unit Test

- Test case ID: SPRS-2-A
- Description/Summary of Test: Test making an API call from python client to RPC server to move the car forward
- Pre-condition: Unreal sim runs and rpc connection
- Expected Results: Vehicle moves forward, we see km/h go up
- Actual Result: Vehicle moves forward, km/h goes up
- Status (Fail/Pass): PASS

Visual User Guide

<like one or two screenshots of the feature. For the hardware project, a photo of device is required>

