AMR SS2023 BDD Scenarios

MS 3 - Wall detection and alignment + MS 4 - Wall following

US 3.1

As a *behaviour developer* **I want** the robot to be able to follow the wall **So that** the robot can deal with getting lost when navigating in long corridors

Scenario 3.1.1

Given the robot is initialized **When** a wall is in view of the robot **Then** the robot reports estimate of the wall's geometry **And** the robot moves to align its longer side with the wall

Scenario 3.1.2

Given the robot is initialized **When** a corner is in view of the robot **Then** the robot reports estimate of the wall's geometry **And** the robot moves to align its longer side with the closer wall **And** the robot is meter from the wall with tolerance of meter

Examples:

```
| distance | tolerance |
| 0.3      | 0.025 |
| 0.4      | 0.025 |
```

Scenario 3.1.2

Given the robot is aligned with the wall **When** the robot is moving **Then** the robot maintains its alignment with the wall **And** the robot stays at meter from the wall with tolerance of meter

Examples:

```
| distance | tolerance |
| 0.3      | 0.05 |
| 0.4      | 0.05 |
```

Scenario 3.1.3

Given the robot is moving along the wall **When** the robot encounters a corner **Then** the robot reports geometric estimate of the corner's other wall **And** the robot moves to align with this wall