Using the scenario where the room size is (5,5), the roomba position is set as (5,5) and the instructions is “NNN”

**Actual Result:**

Status code should be 400 bad request and an error message should be shown

**Expected Result:**

Status 200, coordinates and patches since hitting a wall wouldn't affect the roomba

Using the scenario where the room size is (5,5), the roomba position is set as (6,3) and the instructions is “NNNEEWS”

**Actual Result:**

Status 200, coordinates and patches are shown as output

**Expected Result:**

Output should be a bad request since roomba is placed outside of room

Using the scenario where the room size is missing,the roomba position is (1,2) and the instructions is “NNNEEWS”

**Actual Result:**

Status is 500 and null is shown as messsage

**Expected Result:**

Output should be a bad request since roomba size field is missing