# Bug report

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| 1. | API is returning 200 when we send a negative pair for dimensions |
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| 2. | If patches are out of range the API is returning 200 response |
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| 3. | APIS is not failing when send more than two-dimensional room |
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| 4. | API is nor failing when send more than two-dimensional initial position |
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| 5. | API is not failing when send more than two-dimensional dirth patches |
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| 6. | API is returning “parches: 1” when no patches are send in the request body |
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| 7. | When send empty initial position API in not taking default value (0, 0) |
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| 8. | API fails when no patches are send in the request body |
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| 9. | API in not taking default initial coordinates when we send null in the initial position |
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| 10. | The API is returning zero patches cleaned when initial position is the same as the dirty patch |
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The request body are in the step of the test case report.

# Suggestions

1. Stablish default values in case:
   1. No room size is provided.
   2. No initial position is provided.
   3. No dirt patches are provided.
2. Create validation of the limit of dimensions for the coordinates of:
   1. Room size.
   2. Initial position.
   3. Dirst patches.