**Tester:** Brigel Pineti (*s1005549*)  
**System Under Test:** Alan Ribeiro Andrade

**Link:** [*https://youtu.be/gU54uUlPnwI*](https://youtu.be/gU54uUlPnwI)

Six test cases have been executed on Alan’s permit system.  
   
The first and the sixth cases test inclusive boundary values of the height being 3 and 5 for which the permit has to be automatically approved.

The second and third cases test height values greater than 5. For height values greater than 5, the approver has to manually approve with a choice between yes or no. Hence, two test cases for height greater than 5.

The fourth and fifth cases test height values less than 3. For height values less than 3, the approver has to manually approve with a choice between yes or no. Hence, two test cases for height less than 3.

The CIVILIAN is played by actor *Marcus Klimstra*

The APPROVER is played by actor *Johan Hagedoorn*

Below, follow the 6 test cases:

1. Test Case: The height of the building entered by CIVILIAN is 3

* **Start State:** CIVILIAN has logged in and is ready to request a building permit
* **Script:** 
  + CIVILIAN creates a request for a building permit
  + CIVILIAN selects a start date
  + CIVILIAN inputs a height equal to 3
  + CIVILIAN sends the request for the building permit
* **Predicted Outcome:**

CIVILIAN receives an invoice stating that the building permit was successfully approved.

1. Test Case: The height of the building entered by CIVILIAN is 50 meters and the APPROVER selects YES

* **Start State:** CIVILIAN has logged in and is ready to request a building permit
* **Script:** 
  + CIVILIAN creates a request for a building permit
  + CIVILIAN selects a start date
  + CIVILIAN inputs a height that is equal to 50 meters
  + CIVILIAN sends the request for the building permit
  + CIVILIAN logs out
  + APPROVER logs in
  + APPROVER opens permit approval window
  + APPROVER clicks on the radio button labeled YES
  + APPROVER clicks on the Done button
  + APPROVER logs out
  + CIVILIAN logs in
  + CIVILIAN opens message that contains invoice
* **Predicted Outcome:**

CIVILIAN receives an invoice stating that the building permit was successfully approved.

1. Test Case: The height of the building entered by CIVILIAN is equal to 30 meters and the APPROVER selects NO

* **Start State:** CIVILIAN has logged in and is ready to request a building permit
* **Script:** 
  + CIVILIAN creates a request for a building permit
  + CIVILIAN selects a start date
  + CIVILIAN inputs a height that is equal to 30 meters
  + CIVILIAN sends the request for the building permit
  + CIVILIAN logs out
  + APPROVER logs in
  + APPROVER opens permit approval window
  + APPROVER clicks on the radio button labeled NO
  + APPROVER clicks on the Done button
  + APPROVER logs out
  + CIVILIAN logs in
  + CIVILIAN opens message that contains invoice
* **Predicted Outcome:**

CIVILIAN receives an invoice stating that the building permit was not approved.

1. Test Case: The height of the building entered by CIVILIAN is 2 meters and the APPROVER selects YES

* **Start State:** CIVILIAN has logged in and is ready request a building permit
* **Script:** 
  + CIVILIAN creates a request for a building permit
  + CIVILIAN selects a start date
  + CIVILIAN inputs a height that is equal to 2 meters
  + CIVILIAN sends the request for the building permit
  + CIVILIAN logs out
  + APPROVER logs in
  + APPROVER opens permit approval window
  + APPROVER clicks on the radio button labeled YES
  + APPROVER clicks on the Done button
  + APPROVER logs out
  + CIVILIAN logs in
  + CIVILIAN opens message that contains invoice
* **Predicted Outcome:**

CIVILIAN receives an invoice stating that the building permit was successfully approved.

1. Test Case: The height of the building entered by CIVILIAN is 1 meter and the APPROVER selects NO

* **Start State:** CIVILIAN has logged in and is ready request a building permit
* **Script:** 
  + CIVILIAN creates a request for a building permit
  + CIVILIAN selects a start date
  + CIVILIAN inputs a height that is equal to 1 meter
  + CIVILIAN sends the request for the building permit
  + CIVILIAN logs out
  + APPROVER logs in
  + APPROVER opens permit approval window
  + APPROVER clicks on the radio button labeled NO
  + APPROVER clicks on the Done button
  + APPROVER logs out
  + CIVILIAN logs in
  + CIVILIAN opens message that contains invoice
* **Predicted Outcome:**

CIVILIAN receives an invoice stating that the building permit was not approved.

1. Test Case: The height of the building entered by CIVILIAN is 5

* **Start State:** CIVILIAN has logged in and is ready to request a building permit
* **Script:** 
  + CIVILIAN creates a request for a building permit
  + CIVILIAN selects a start date
  + CIVILIAN inputs a height equal to 5
  + CIVILIAN sends the request for the building permit
* **Predicted Outcome:**

CIVILIAN receives an invoice stating that the building permit was successfully approved.