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| **User Story / Requirement ID** | **User Story/Requirement Under Test** | |
| AirFlaps\_01 | I want that my air flaps have 0° to 85° degrees of opening for better flying control. | |
| ***Is it valid?*** |
| Yes |
| ***If not valid, what is the new/Extra information from Marketing/Product Owner?*** | | |
|  | | |
| **Test Case ID** | **Test Case Name** | |
| AirFlaps\_Test | Check if the air flaps opening is between 0° and 85° | |
| **Test Case Steps** | | |
| **Step Number** | **Step description** | **Expected Result** |
| Introduce a sensor to check airflaps  opening | Install a sensor to check the degrees of the airflap  opening | Get the precise angle value of  opening |
| Boot Iron Man suit on safe mode  (with no one on board) | Set the suit to safe mode by pressing the buttons “On”  and “Help” for 15 seconds | Boot on safe mode  successfully |
| Execute safe fly instruction | Execute a low safe fly to begin to test what is required | System starts flying on safe mode |
| Move air flaps to  0° to 85° degrees of opening | Set the commands to “Test airflaps” to check if  airflaps can turn between 0° and 85° degrees  Get the angle of opening by using the sensor | Airflaps can succesfully move  between 0° to 85° degrees |
| Execute normal fly instruction | Execute a normal fly test to start simulating a normal  Fly when the suit is used | System starts flying on normal  Test mode |
| Move air flaps to  0° to 85° degrees of opening | Set the commands to “Test airflaps” to check if  airflaps can turn between 0° and 85° degrees  Get the angle of opening by using the sensor | Airflaps can succesfully move  between 0° to 85° degrees |
| Execute low power fly instruction | Execute a flying test simulating low remaining power  On the device | System starts low power fly test |
| Move air flaps to  0° to 85° degrees of opening | Set the commands to “Test airflaps” to check if  airflaps can turn between 0° and 85° degrees  Get the angle of opening by using the sensor | Airflaps can succesfully move  between 0° to 85° degrees |
| Execute safe fly test with airflaps  Blocked by an object | Execute a safe flying test simulating | System starts flying on safe mode |
| Move air flaps to  0° to 85° degrees of opening | Set the commands to “Test airflaps” to check if  airflaps can turn between 0° and 85° degrees  Get the angle of opening by using the sensor | Airflaps cannot move  between 0° to 85° degrees.  Error message is sent |

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| **User Story / Requirement ID** | **User Story/Requirement Under Test** | |
| KyberCrystal\_01 | As Sith Knight, I want that my light saber firmware turns off my saber  when kyber crystal gets overheated (1420°F). | |
| ***Is it valid?*** |
| No |
| ***If not valid, what is the new/Extra information from Marketing/Product Owner?*** | | |
| What is the steady state temperature of the saber?  Is the saber single ending or double ending?  Does the power consumption depend on the material needed to cut?  Is the power consumption the same while cutting and while not? | | |
| **Test Case ID** | **Test Case Name** | |
| KyberCrystal\_Test |  | |
| **Test Case Steps** | | |
| **Step Number** | **Step description** | **Expected Result** |
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**Activities on GitHub**

On the GitHub repository of your project: in teams, analyze the following user stories and create a *test case* for each of them:

1.- As Iron Man Suit Pilot, I want that my air flaps have 0° to 85° degrees of opening for better flying control.

2.- As Sith Knight, I want that my light saber firmware turns off my saber when kyber crystal gets overheated (1420°F).

*Commit your test case on your GitHub repository as it was taught on the* Introduction to Control Version *Module****.***

***Do NOT forget add this instructions file!***

Send an email to the following engineers with the link of your GitHub repository. Attached files will not be accepted.

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**Activity: TestCases; Team: <name of your team>**

Delivery date: October 5, 2019 at 22:10 hrs.