Workflow

Ben Van den Sande

February 2017

1 Write Configuration File

The first step when you want to test some features of the drone is to set up your configuration file. `Yaml` is used to write the file. The configuration file consist of the topics the subscribers have to subscribe. The topics have a name and a message type.
Besides the topics, there must also be a path provided to the bash file that starts the application.

2 Write tests in feature file

The second step in testing your features is writing the test in the domain specific language. The best way to do this is by looking at the domain model. The model provides all the components and attributes of the drone you can test. Every testfile has to have the extension `.feature` in order to work.
The testfile can contain multiple tests. Each test must have a title and you can choose to add a description to the test, but this is not mandatory. Next is the body of the test. The body consists of 3 phases: Given, When and Then. The given part of the test is where all the preconditions are stated that have to be met. In the when part are all the actions that have to occur. The then part is at last the part where the post conditions are checked.

3 Write property file

The third step in testing is to indicate which test files you want to run. This is done by adapting the propertyfile. The propertyfile contains the name of the testfile that are going to run. Simply add the name of your file to this propertyfile without the extension and the test in your testfile will run. For example if your testfile is called *example.java*, add *example* to the propertyfile.

4 Run

The last step in testing is to run the tests. This is done by opening a terminal and simply run the command `roscore`. Next open a new terminal and go to the folder *rosjava/src/yourProject/build/install/yourProject/bin* and run the command *./yourProject com.github.yourProject.SubscriberDrone*