

Final Warehouse Submission

Assignment breakdown

As a group we decided to break down the project into 6 distinct sub-teams (of which the mapping from team member to subsystem can be found below). These subsystems were job decider, route planner, job assignment, networking, GUI and robot movement. The amount of people allocated to each system was decided as a group and was largely based around the presumed difficulty level of each system. With regards to integration this was largely done on a continual basis with job assigner and job decider connecting with each other and then everything else going through networking.

Work allocation

Subsystem	Team member(s)
Job decider	Ioana Ryan Tomas
Route planner	Aled Henry
Job assignment	Cameron Jacob
Networking	James
GUI	Paul
Robot movement	Anthony

Junit test suites

For Junit tests all PC-based testing can be found on the testing branch in the main repository. Job decider's tests can be found in the `rp.jobDecider` package and they are in the class called `JUnitTests.java`. Route planner's tests can be found in the `rp` package and they are in a class called `RoutePlannerTest.java`. Finally, job assigner's tests can be found in the `rp` package as well and are in a class called `JobAssignerTest.java`.

Git Repositories

We opted to only use one git repository. The final code is on the testing branch. Inside the code folder there are two programs: one which runs on the robot and one which runs on the PC. For the robot, the client class is its main class. Then on the PC, the server class is the main class. The final progress and tracking info for the team can be found in the notes folder on the master branch. The link to the repository is:

[https://git.cs.bham.ac.uk/axj714/Autonomous Warehouse Project.git](https://git.cs.bham.ac.uk/axj714/Autonomous_Warehouse_Project.git)

The files inside of the notes folder on the master branch should be used to support the marking process for the team. It includes info about team meetings, what was discussed and the attendance. There is also some documentation on pseudo-code and an overall view of the initial structure of the classes.