

Pixelüt Developer Exam

Version 1.4

This exam will test your ability to understand a problem and create a solution in code. Please read the exam thoroughly before starting anything so you have a clear understanding of what to do and how to do it.

This exam should be completed using Visual Studio and it's (or an external) unit testing framework.

You are allowed to access the internet freely and use any other reference materials in your possession to support you in completing this exam.

When you complete the exam, zip up all the files in the solution **NO DLL/EXE files** and email the ZIP file back to **jobs@pixelut.com** for review.

Make sure you also specify the **start time** and **end time** of the exam so we know how long it took you to complete.

Tasks

- Create a solution
- Define the Robot project specified in the UML
- Define the RobotTests project and set it up to work with your unit testing framework
- Write the implementation of the code defined in this UML. Make sure you understand what the symbols in UML mean before you write any code.
- Write unit tests for the classes specified in the UML annotations
- If you are unsure of what mock objects are or how the 'inversion of control' pattern works, don't worry... that's what Google is for.



