

TEJ4M-VEX EDR Clawbot Programming Project

Name(s): Manoush Vishwa

Project URL: <https://replit.com/join/zchkaajexg-manoushfaisal>

Write and test code that will make your robot do the following 2 separate things:

- Make its way through an obstacle course you design (the more complicated and successful you are the higher the TI mark)
- Grab something in one location and bring it over to another place, leave it there and make its way back to where it started
- A possible third idea as agreed upon by your group and your teacher

You must create a website to present this project. In the website explain what it is you are getting the robot to do (include a detailed visual map, if possible, of the path it takes and actions it performs). Embed a video of it performing each task successfully (or as close to successfully as you can get it). Include the fully documented code snippets for each challenge. Part of your mark comes from the complexity of the task. You may add in new sensors, move them around or generally modify the robot to help you with your task. Make sure all parts are secured and when you are done put back the line, push button and sonar sensors into their original locations..

Marking Rubric:

APP /30

You fulfill all project requirements

COMM /30

Your website is designed and layed out in a professional manner.

You have included all required elements i.e. video, maps, explanations etc.

You use proper spelling and grammar.

TI /30

You demonstrate a high level of critical thinking and inquiry skills to solve a complex problem using RobotC and the Vex Robot.