Tec de Monterrey CCM - Integración de robótica y sistemas inteligentes
Web Interface Using ROS

We will use Bootstrap + javascript to develop a web user interface to communicate with ROS and view a camera image on the browser.

Optional: On VSCode install the next extensions

Bootstrap 4, Font awesome 4, Font Awesome 5 Free & Pro snippets
Live Server

1. Install ROS packages

   sudo apt-get install ros-noetic-web-video-server
   sudo apt-get install ros-noetic-rosbridge-suite

2. Create a index.html file

3. Create a webui.js

4. Create keyboardteleop.min.js

5. Run next commands.
   roscore
   rosrun web_video_server web_video_server
   roslaunch rosbridge_server rosbridge_websocket.launch

6. Run Ardupilot Simulation to obtain images from the camera.

   Hint: Check for available image topics

   http://0.0.0.0:8080/