RASPBERRY PI ASSEMBLY

1. Identify the different components and decide how to assemble the camera
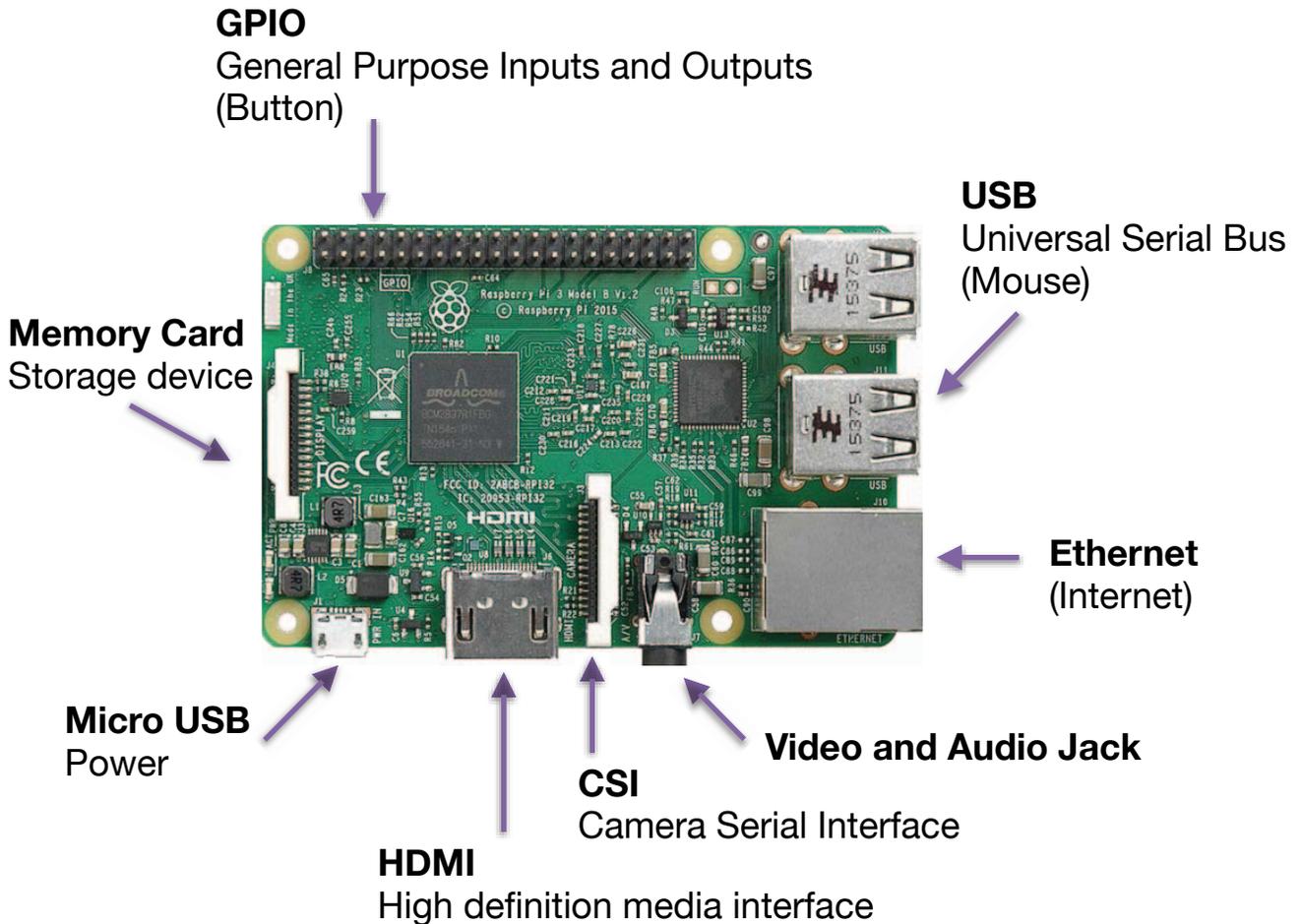
GPIO
General Purpose Inputs and Outputs
(Button)

USB
Universal Serial Bus
(Mouse)

Memory Card
Storage device

Ethernet
(Internet)

Micro USB
Power

Video and Audio Jack

CSI
Camera Serial Interface

HDMI
High definition media interface

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2. Assemble your Raspberry Pi Camera

3. Discuss the pseudo code

4. Find where in the code takes a user input. Switch the buttons (22,17).

      Camera off…………22
      Take a picture……..17
      Pi off………………..23

5. Change the settings of the picture. Define and discuss the different settings.

      camera.hflip=true
      camera. image_effect='sketch' 'oilpant' 'watercolor'
      camera.brightness=80

6. Use the "sleep" command to time taking several pictures

7. Change the overlay text "You are beautiful" "Looking fabulous"

Resource: Girls Who Build Cameras
Kristen Railey, Bob Schulein, Olivia Glennon, Leslie Watkins, Alex Lorman, Carol Carveth, and Sara James