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| **Input** | **Process** | **Output** |
| Presses start photo button (startPhotoBtn) | Start webcam |  |
| Presses take photo button (takePhotoBtn) | Captures webcam image  Stop webcam | Captured image is displayed in the adjacent canvas. |
| Presses stop button | Stop webcam |  |
| Presses retake button | Start webcam  Clear canvas |  |
| Presses submit photo button | Convert captured photo into a blob.  Analyse tags associated with the image with object recognition API. | Display post-submission text with confirmation query. |
| User responds negatively to confirmation query. | Start webcam  Clear canvas  Display contingency message. | Video element begins recording content captured by the camera.  Previous photo is removed and replaced by a blank canvas. |
| Tags include at least one out of the following: 'Table, desk, computer, laptop, office' AND user responds positively to confirmation query.  OR  User selects 'studying' in the contingency dropdown message. | 'studyBool' boolean variable is set to true. | If user confirms that the identification is correct, corresponding Spotify playlist is displayed. |
| Tags include at least one out of the following:  'Kitchenware, sink, plate, kitchen' AND user responds positively to confirmation query.  OR  User selects 'doing chores' in the contingency dropdown message. | 'choresBool' boolean variable is set to true. | If user confirms that the identification is correct, corresponding Spotify playlist is displayed. |
| Tags include at least one out of the following: 'Outdoor, tree, road, street, sidewalk' AND user responds positively to confirmation query.  OR  User selects 'exercising' in the contingency dropdown message. | 'workoutBool' boolean variable is set to true. | If user confirms that the identification is correct, corresponding Spotify playlist is displayed. |