# Embody Coding Exercise – Photobooth

### Introduction

This assignment consists of developing a Photo Booth web application that recognizes a user’s face and takes a still frame once the face is within a bounding box in the image. There is no requirement for which programming language should be used to achieve this, although cross-browser compatibility is essential, as well as ease of integration with tools made using different programming languages (E.g. Tensorflow.js models, C++ command line tools).

### User Stories

* As a user I can start a session and have my picture taken.
* As a user I can upload my picture to the cloud and have it sent to my email address.
* As a user I can access and delete my picture from the cloud.
* As an admin I can access the full database of pictures/email addresses saved.
* As an admin I can delete particular pictures from the database.

### Requirements

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| --- | --- |
| System | Priority |
| Screen that takes pictures once a human face is detected within a pre-defined bounding box | HIGH |
| Cross-browser compatibility | HIGH |
| Enable integration with tools programmed in different languages (E.g. Tensorflow.js models, C++) | HIGH |
| Permit download of picture in local machine | MEDIUM |
| Permit download of picture via user provided email address | MEDIUM |
| Save pictures and user provided email addresses to database | LOW |
| Permit deletion of pictures via link sent to user provided email address | LOW |