

## Criterion E: Evaluation

### Success Criteria

Real time Object Detection in a separate browser window;	The run button in object detection webpage works perfectly, it opens a new window where it makes rectangles around the detected objects.
I will use transfer learning method so that there is not a lot of training data required to train the good model	Transfer learning works for all the AI methods. All the pre-trained weights are working perfectly with the architecture
It will have Face Recognition which will also have a pre-trained model but users can give their own face data to train it;	Face recognition is recognising faces correctly to quite a good accuracy and is approved by the client
The program can be run on any device and it will be viewed in different screen sizes using materialize.css;	Website is working on all the devices as it is a webpage
It will have 4 main buttons in the home screen to navigate to various AI techniques available in the website;	This UI is much liked by the client and approved by him during testing stages
It will have a nav-bar containing button such as login, register and logo;	The nav-bar is quite user friendly and all the buttons are functioning as expected
There will be a hyperlink in the logo, so that users can directly go to home page from their current page;	It is much easier to navigate the website with this feature
It will have a special page explaining the definition of all the terms used in the website;	This was not decided during the initial interview but client liked this idea and is now much more meaningful in the website. Users can know about all technical terms from the website itself

There will be videos, code and links to other resources to better understand the topics;	I fail to put video in the website due to some compatibility issue but other links and code is displaying properly
There will be a code panel where users can view the code for each technique running behind the scenes;	The code panel successfully displays code running behind each techniques
There will also be a LSTM network to create music;	The LSTM model is generating very good music and is much appreciated by all the users
There will be a login page allowing users to login;	Login page is allowing users to use AI features.
There will be a register page for new users to become a member;	Register page is working perfectly and new users can easily register
There will be a feedback form available from google forms share user experience;	Feedback button leads to the google form and users are able to register their feedback
For all the techniques, in the browser there will be anchor to help user navigate to various explanations, features etc;	Anchor tag is allowing users to navigate to specific sections of the website
There will be a Generative adversarial networks to generate images;	Initial plan was to generate faces, but as I could not find pre-trained weights for it, I changed it to Image Generation. Client agreed to it and asked to proceed
There will be links to social media sites such as facebook, twitter and instagram allowing users to visit the respective pages;	These social media pages allows members of coding wizards to communicate with each other and clear their doubts or build on their own projects

User will be notified of any errors,  
info or success

Users are notified using alert messages created  
using `materialize.css`

invalid username or password

## **Recommendations for Further Development**

Product can have a loading screen to let user know about how much the model has been trained or if there is any process going on in the background

Animations can be added in the website to make it more interactive and user friendly

Videos can be added in the website itself, so that user don't have to go to some other website.