



## PROJECT SPECIFICATION

## Generate Faces

## Required Files and Tests

CRITERIA	MEETS SPECIFICATIONS
Have all project files been included with the submission?	The project submission contains the project notebook, called "dlnn_face_generation.ipynb".
Have all the unit tests in the project passed?	All the unit tests in project have passed.

## Build the Neural Network

CRITERIA	MEETS SPECIFICATIONS
Does the project use the correct model inputs?	The function model_inputs is implemented correctly.
Does the project correctly discriminate images?	The function discriminator is implemented correctly.
Does the project correctly generate images?	The function generator is implemented correctly.
Does the project correctly calculate the loss?	The function model_loss is implemented correctly.
Does the project correctly optimize?	The function model_opt is implemented correctly.

## Neural Network Training

CRITERIA	MEETS SPECIFICATIONS
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Does the project train the model correctly?	<p>The function train is implemented correctly.</p> <ul style="list-style-type: none"><li>• It should build the model using <code>model_inputs</code>, <code>model_loss</code>, and <code>model_opt</code>.</li><li>• It should show output of the <code>generator</code> using the <code>show_generator_output</code> function</li></ul>
Does the project use reasonable hyperparameters?	<p>The parameters are set reasonable numbers.</p>
Does the project generate realistic faces?	<p>The project generates realistic faces. It should be obvious that images generated look like faces.</p>

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[Reviewer FAQ](#)[Student FAQ](#)