✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

Retake the assignment in **7h 59m**

GRADE
100%

Graded Quiz: Test your Project Understanding

LATEST SUBMISSION GRADE

100%

1. In the Image Super Resolution with Autoencoders project that we just completed, we used the Keras API with TensorFlow as its backend. True or False?

   1 / 1 point

   ⦿ True

   ◯ False

   > ✓ **Correct**
   > Correct! While Keras can use Theano or CNTK as backend as well, we used the TensorFlow implementation of the Keras API.

2. What type of regularization technique did we you use in this project?

   1 / 1 point

   ◯ Weight regularization

   ◯ Dropout regularization

   ⦿ Activity (L1) regularization

   > ✓ **Correct**
   > Correct!

3. What are the 3 essential components of an autoencoder? (Select all that apply)

   1 / 1 point

   ☑ Encoder

   > ✓ **Correct**
   > Correct!

   ☑ Decoder

   > ✓ **Correct**
   > Correct!

   ☐ Backpropagation through time

   ☑ Loss function

   > ✓ **Correct**
   > Correct!

4. What loss function did we minimize in the project?

   1 / 1 point

   ◯ Mean Absolute Error (MAE)

   ⦿ Mean Squared Error

   > ✓ **Correct**
   > Correct!

5. How would you use NumPy to select a random integer between 0 and 256?

1 / 1 point

○
```
1   np.random.seed(256)
```

○
```
1   np.random.choice(0, 256)
```

◉
```
1   np.random.randint(0, 256)
```

✓ **Correct**
Correct!