Congratulations! You passed! Go to next item Grade received 100% To pass 80% or higher Intro to MLEP Total points 10 Static datasets are used for production ML modeling. 1/1 point False ○ True Correct That's it! Dynamic real-world data is used. 2. In production ML, the design priority is fast training. 1/1 point No ⊘ Correct Correct! Fast training and choosing a high-performance algorithm are the design priorities for prototypes or Developers adhere to modern software development to produce low-maintenance software, and to address project evolution. Select all the key aspects of modern software development (Check all that apply): 1/1 point Testability Correct Yes! The data entering the system is continuously monitored and tested. ✓ Best practices © Correct Perfect! Software development best practices must be resolved. ✓ Monitoring Correct Right on! The deployed model's performance is properly evaluated. ☐ Fast Training 4. Model-performance needs to be continuously monitored, and new data, ingested and re-trained. Yes O No ⊘ Correct Good job! After deployment, it's necessary to continuously evaluate the model's performance. 5. ML pipeline workflows are almost always DAGs. 1/1 point True ○ False Correct Well done! The components of an ML pipeline are scheduled based on dependencies defined by a DAG.

6. TensorFlow Extended (TFX) is an end-to-end platform for deploying production ML pipelines.

correct
 You got it right! TFX is used to create and manage a production line.

YesNo

1/1 point

Production machine learning combines which two key disciplines?	1/1 point
Machine learning development	
© Correct Nice going! ML Development focuses on specific issues related with data and model predictions quality.	
Feature selection and engineering	
✓ Modern software development	
Correct Keep it up! Well-designed software that adheres to best practices is key for the success of a production grade machine learning system.	
☐ Software testing	
What are the unique challenges to overcome in a production-grade ML system? (Check all that apply)	1/1 point
Deploying the model to serve requests.	
Building integrated ML systems.	
 Correct Very well: ML systems perform all operations starting from ingesting the data into the system to deployment. 	
☐ Training the model on real world data.	
Assessing model performance.	
Optimizing computational resources and costs.	
Correct Absolutely! You want your ML system to be as frugal as possible.	
Continually operating while in production.	
 Correct Right on track! ML systems need to be flexible to operate while the system stages or modules are being changed or redesigned. 	
Handling continuously changing data.	
 Correct Indeed! Data will change over the life cycle of a production system, which can harm its performance. 	
Production grade machine learning challenges are addressed by implementing an important concept:	1/1 point
Machine learning pipelines	
Orchestrature	
Orchestrators Tensorflow Extended (TFX)	
 Correct Spot on! ML pipelines provide support for automating, monitoring and maintaining a model as you continue to train it over its lifetime. 	
, TensorFlow Lite is a deep learning framework to deploy TFX pipelines into:	1/1 point
Mobile devices	
○ Web browser	
○ Servers	
⊘ Correct	