You are part of a team, building a ride management application like Uber. You are responsible for the driver onboarding module. There is a requirement to build an interface that will allow a driver to sign-up as a driver partner. The driver onboarding module should:

a) Allow a driver to sign-up and enter their profile information.

b) Trigger onboarding processes like document collection, background verification, shipping of tracking device, etc.,

c) Allow a driver to mark when they are ready to take a ride

You are expected to build a workflow engine providing capability to move driver to possible states as per above requirement and leverage local Kubernetes for deployment. The coding language choice is limited to Python for this craft.

Please create a list of the API interfaces you will expose to support these requirements and come up with choices of data stores, tech stacks, etc., In case some optimizations or enhancements can't be included in the code , feel free to include them in the high-level design.

Instructions to the candidate:

1. You will primarily be evaluated on good python coding skills and deep understanding of Kubernetes / Kubernetes based pipelines.

2. We are interested in the overall approach in terms of design. It is ok if you don't have a beautiful PPT.

3. Do take the time to clearly define the data models and the API interfaces.