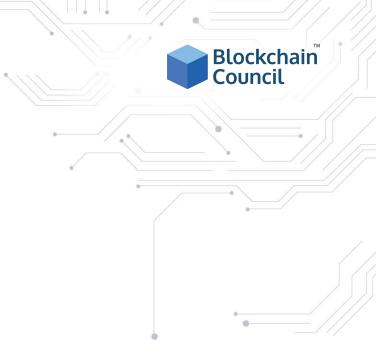


# Certified Hyperledger Developer

Modeling Capstone Project

### Procedure

- The first step is to create a model file or a .cto file
- Model.cto file is created by defining:
  - Namespace of the model file
  - Participants of the project
  - Transactions in the project



# Namespace definition

- Namespace for our model file is:
  - namespace org.example.model



## **Participants**

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- There are two participants in this project:
  - Members
  - Partners
- Defining participants require a class with all the required parameters like id, name, number etc. that are used to create a member entity.
- An identifier can be added in the definition to uniquely identify each member





#### • Member:

```
participant Member identified by accountNumber {
    String accountNumber
    String firstName
    String lastName
    String phoneNumber
    String email
    Integer points
}
```

#### • Partners:

```
participant Partner identified by id {
    String id
    String name
}
```

### **Transactions**

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- There are two types of transactions in this project:
  - EarnPoints
  - UsePoints



Any questions?

You can mail us at hello@blockchain-council.org