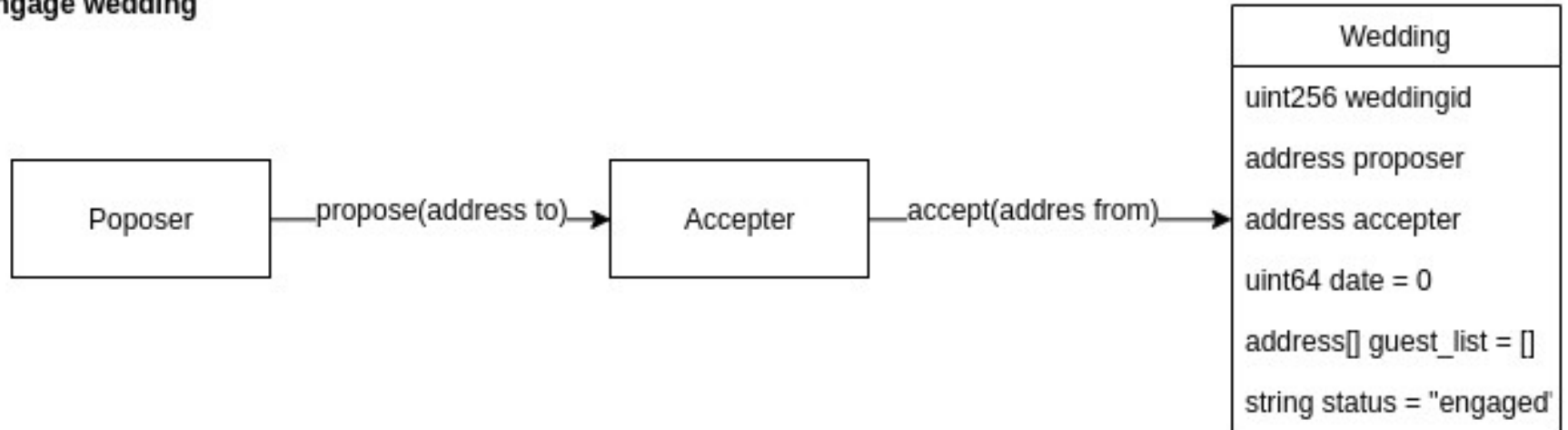# **Assignment3:**

Marriage contract, Group 12

Implementation strategy

- Stack: Truffle, Ganache, Web3js

- Skeleton code
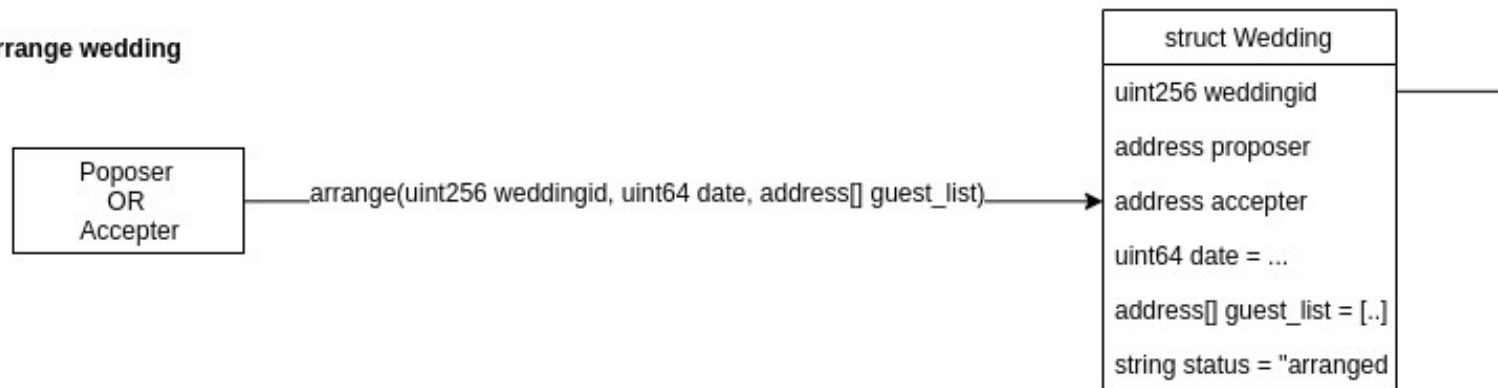
- testing

Attributes
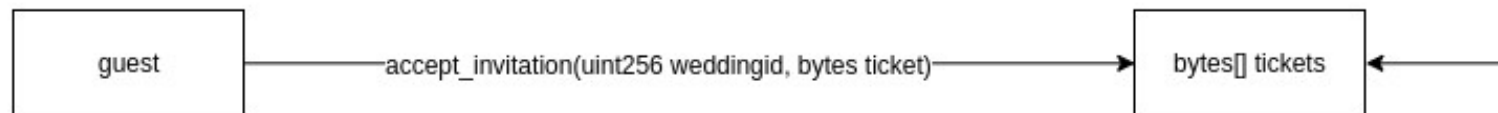
Task 1: Engage wedding

Attributes

Task 1: Arrange wedding


```
Poposer
  OR
Accepter
```
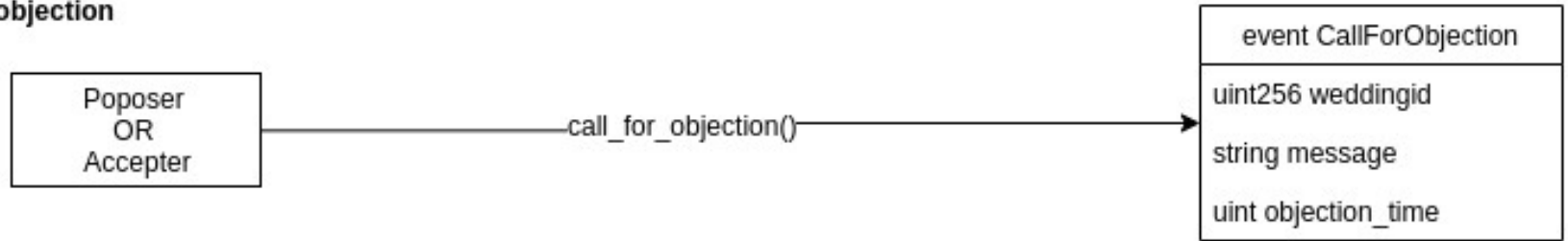
arrange(uint256 weddingid, uint64 date, address[] guest_list)

struct Wedding

uint256 weddingid

address proposer

address accepter

uint64 date = ...

address[] guest_list = [..]

string status = "arranged

Task 2: Accept invitation

guest

accept_invitation(uint256 weddingid, bytes ticket)

bytes[] tickets

Attributes

Task 3: Verify ticket

Attributes

Task 4: Call for objection

Poposer
OR
Accepter

—call_for_objection()—
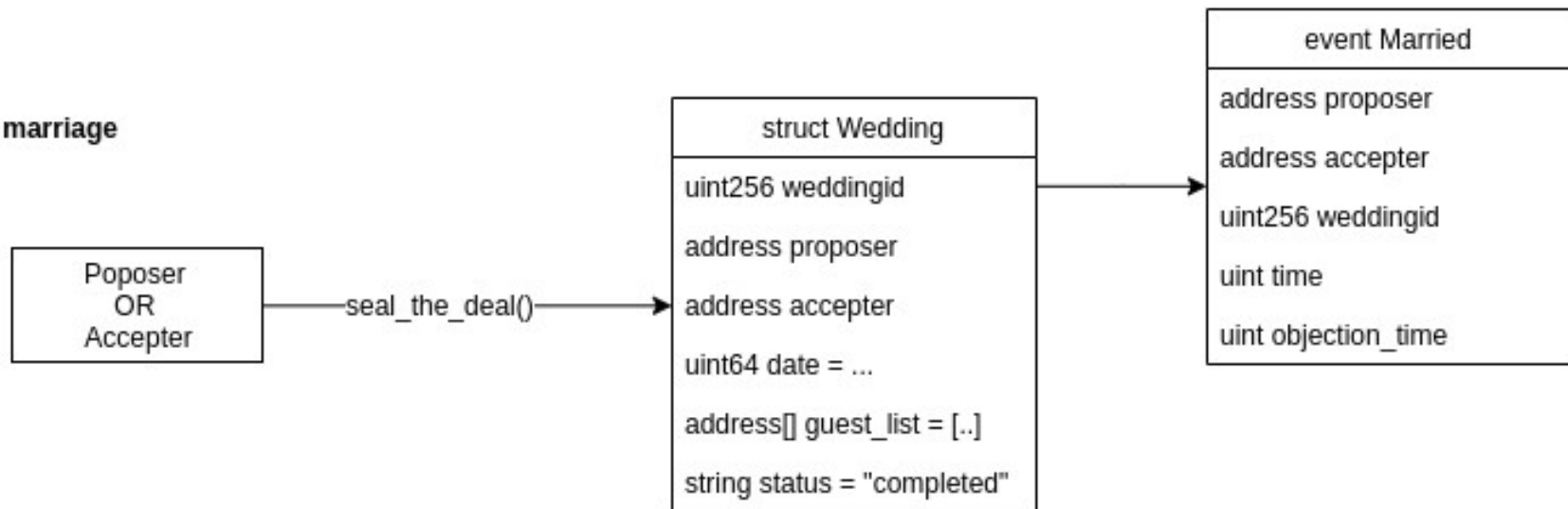
event CallForObjection

uint256 weddingid

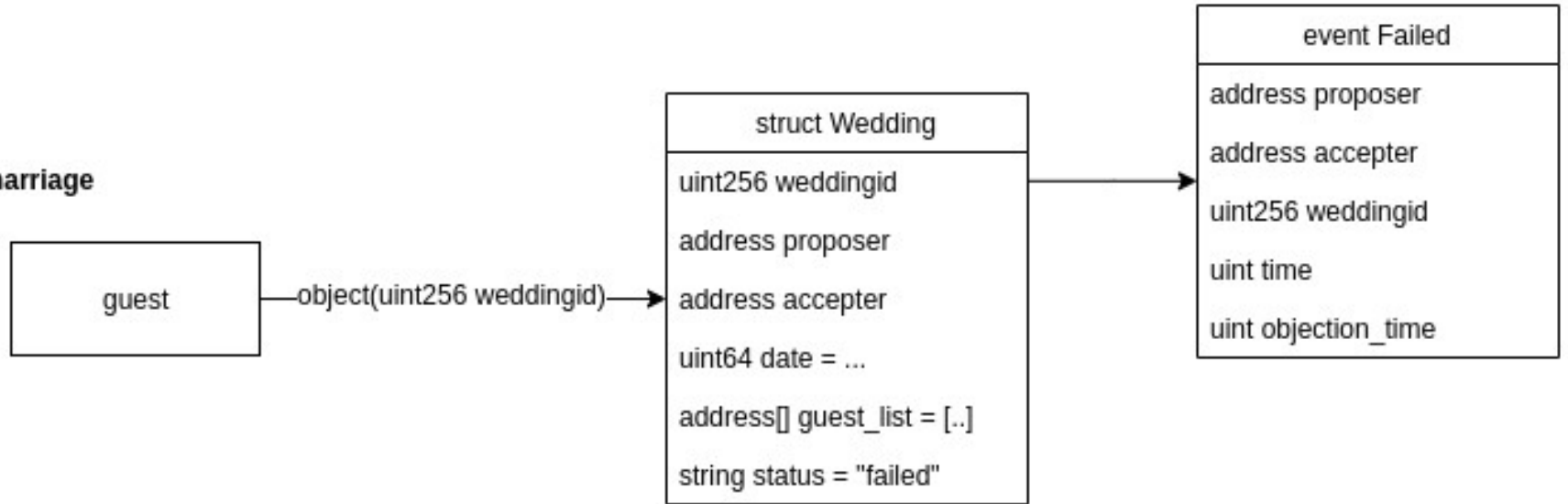string message

uint objection_time

Attributes

Task 4: Perform marriage

Attributes

Task 4: Stop marriage

Obstacles

- Tickets: Signing and recovery
- Time: Looping until gas used, split function

DEMO::