

Protocol POC requirements

The protocol shall allow a concert goer to submit sound level data, date/time

The protocol shall allow a concert goer to provide venue name, seat number

The protocol shall allow a concert goer to submit subjective experience including a user rating along with sound level data

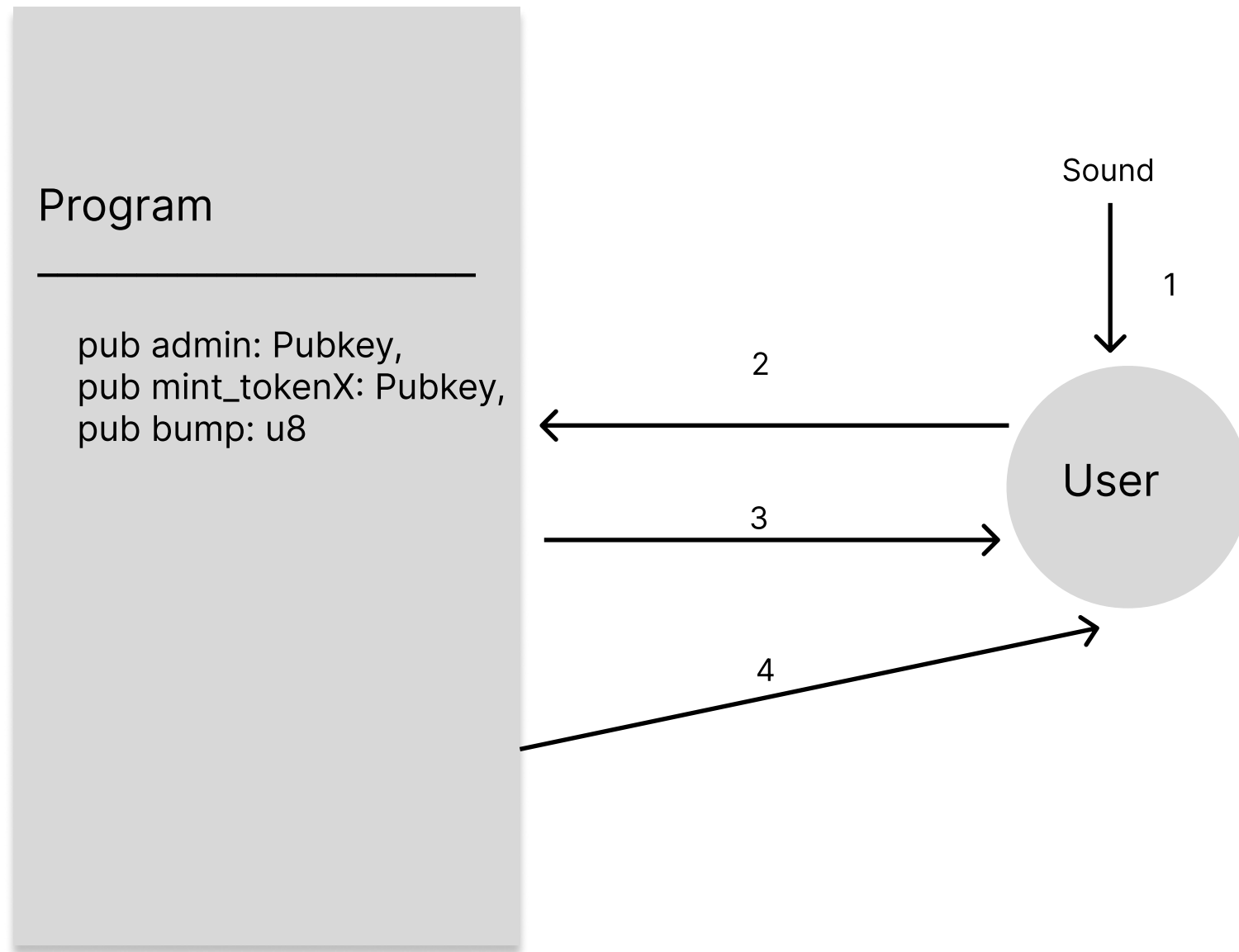
The protocol shall allow a user to view sound level data and user experiences of a concert venue

The protocol shall mint 1 token in exchange for submitting sound level data

The protocol shall allow a user to see their token balance

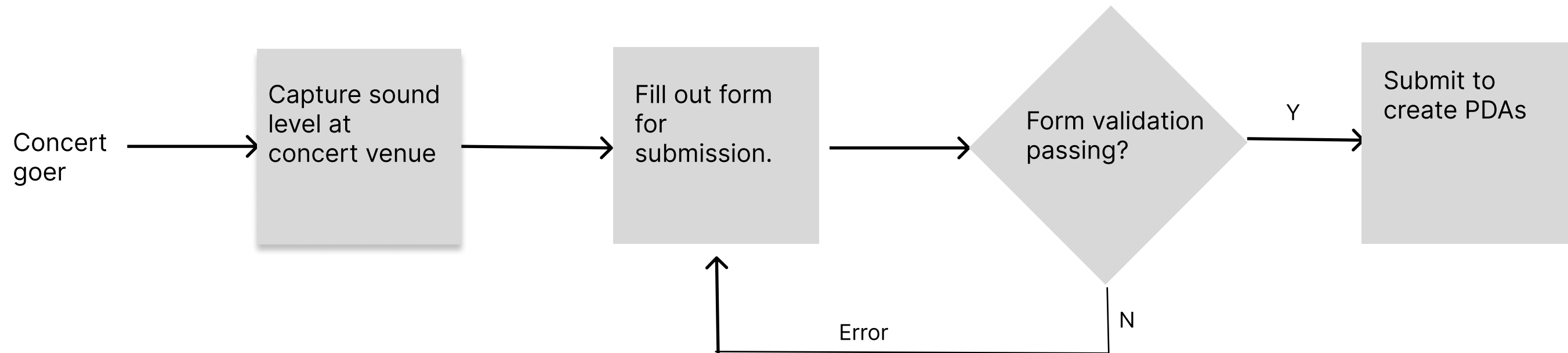
The protocol shall receive sound level data from an oracle after user has submitted the data

Overview



1. User captures sound level with smart phone
2. User submits sound level along with subjective experience through smart phone app
3. User receives token for submission
4. Other users can view submissions for their knowledge and decision making

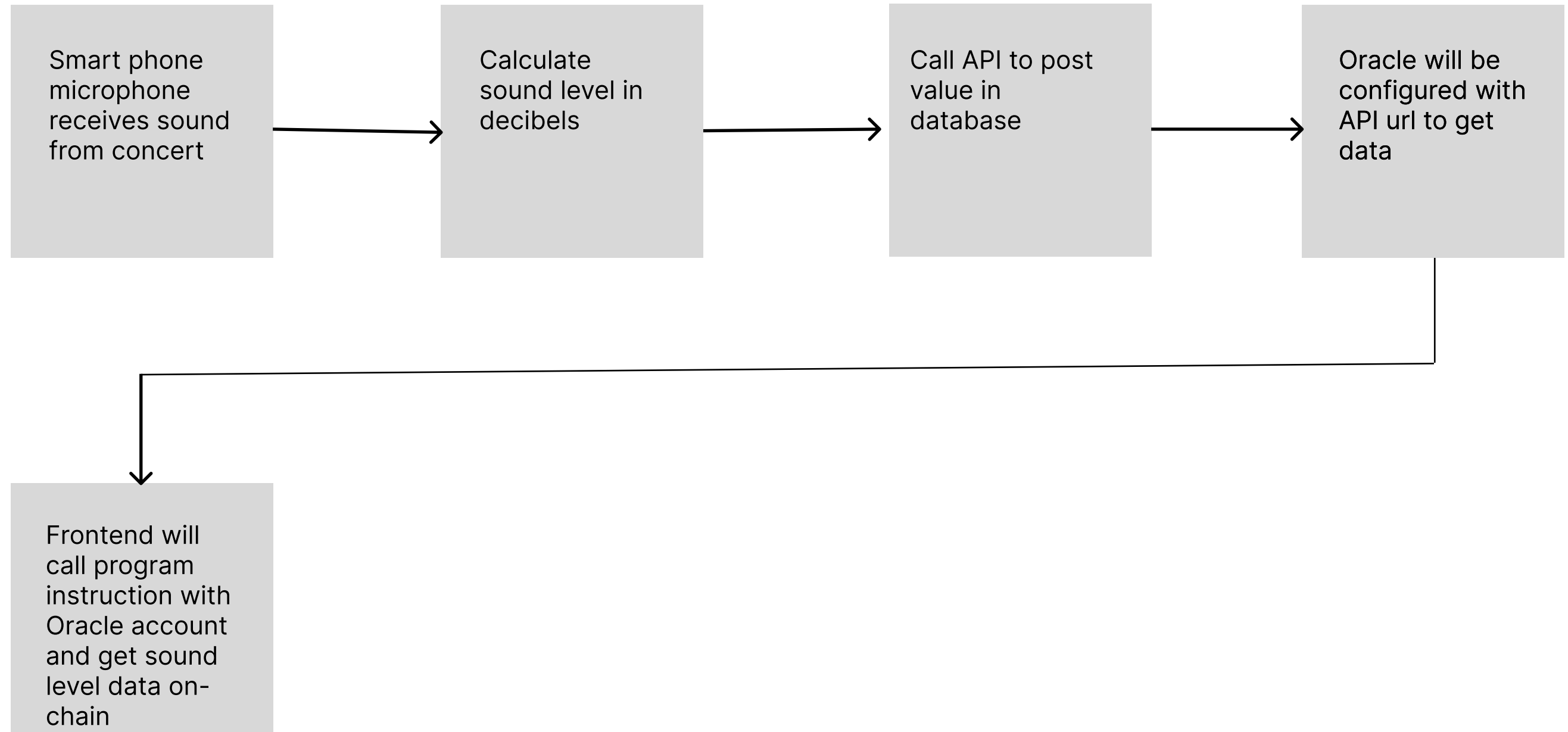
User records and submits sound level recording



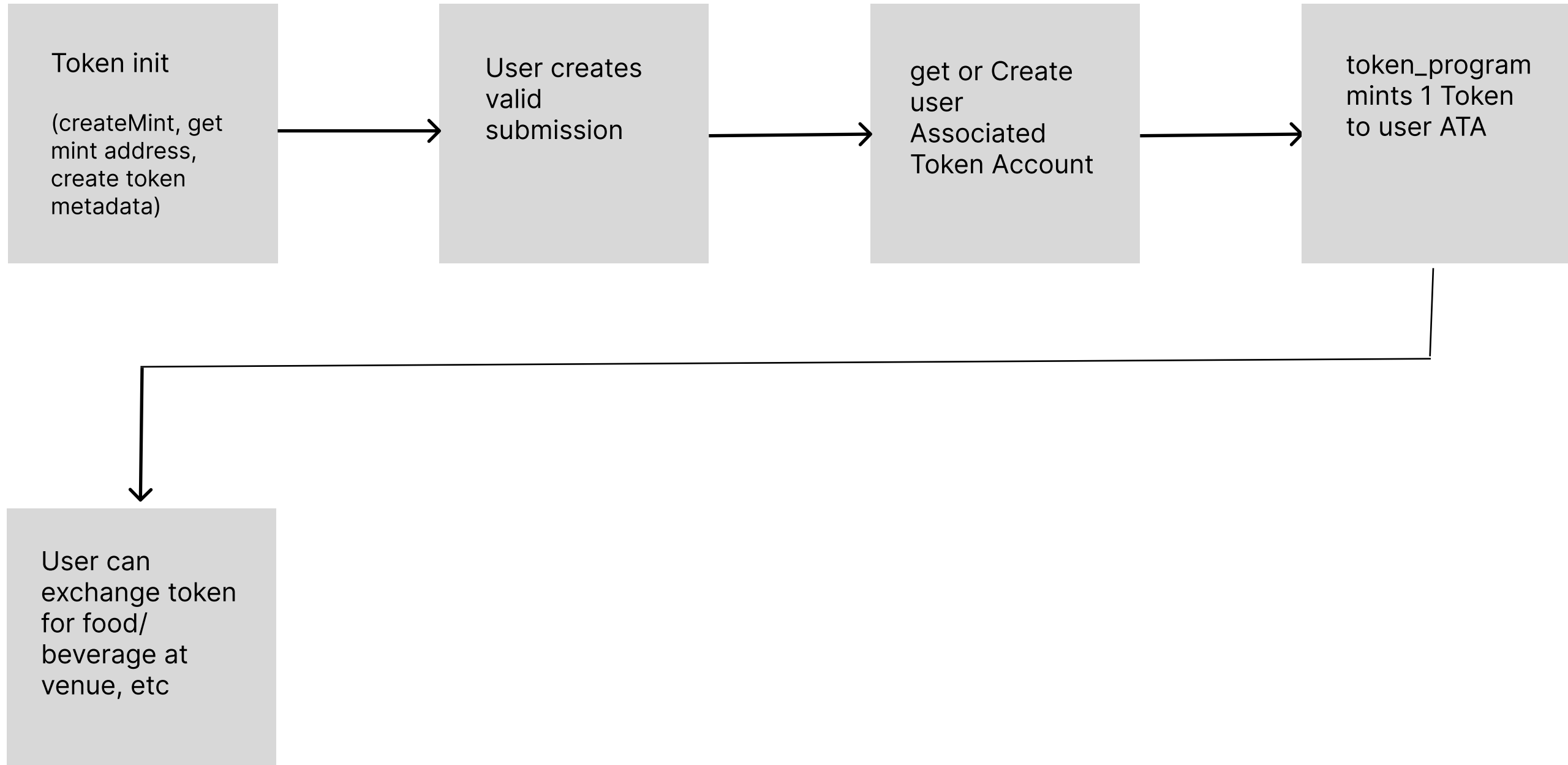
```
#[account(  
  init_if_needed,  
  payer = user,  
  seeds = [program.key().as_ref(), venue_name.as_str().as_bytes()],  
  bump,  
  space = 8 + Venue::INIT_SPACE,  
)]  
pub venue: Account<'info, Venue>,
```

```
#[account(  
  init,  
  payer = user,  
  seeds = [venue.key().as_ref(), user.key().as_ref()],  
  bump,  
  space = 8 + Submission::INIT_SPACE,  
)]  
pub submission: Account<'info, Submission>,
```

Sound level capture and bringing data on-chain



User contributes data to earn tokens



User accesses sound level data for specific venues

