**Database Table Relationships**

**1. user\_account Table**

* **Purpose**: Stores general user information.
* **Primary Key**: user\_id
* **Referenced By**:
  + platform\_member.user\_id
  + review.sender\_id
  + review.receiver\_id
  + notification.receiver\_id
  + message.sender\_id
  + message.receiver\_id
  + report.reported\_by\_id
  + report.target\_user\_id

**2. platform\_member Table**

* **Purpose**: Represents platform members (e.g., travelers, hosts).
* **Primary Key**: user\_id
* **Foreign Key**: References user\_account.user\_id
* **Referenced By**:
  + traveler.traveler\_id
  + host.host\_id
  + opportunity.host\_id
  + application.traveler\_id
  + card.traveler\_id
  + fee\_transaction.traveler\_id

**3.**[traveler](vscode-file://vscode-app/c:/Users/abdob/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html" \o ")**Table**

* **Purpose**: Represents travelers.
* **Primary Key**: traveler\_id
* **Foreign Key**: References platform\_member.user\_id
* **Referenced By**:
  + traveler\_skill.traveler\_id
  + traveler\_language.traveler\_id

**4. traveler\_skill Table**

* **Purpose**: Stores skills associated with travelers.
* **Primary Key**: Composite of traveler\_id and skill
* **Foreign Key**: References traveler.traveler\_id

**5. traveler\_language Table**

* **Purpose**: Stores languages associated with travelers.
* **Primary Key**: Composite of traveler\_id and language
* **Foreign Key**: References traveler.traveler\_id

**6.**[host](vscode-file://vscode-app/c:/Users/abdob/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)**Table**

* **Purpose**: Represents hosts.
* **Primary Key**: host\_id
* **Foreign Key**: References platform\_member.user\_id
* **Referenced By**:
  + opportunity.host\_id

**7. opportunity Table**

* **Purpose**: Represents opportunities created by hosts.
* **Primary Key**: opportunity\_id
* **Foreign Key**: References platform\_member.user\_id via host\_id
* **Referenced By**:
  + application.opportunity\_id
  + review.opportunity\_id

**8. application Table**

* **Purpose**: Represents applications submitted by travelers for opportunities.
* **Primary Key**: application\_id
* **Foreign Keys**:
  + References opportunity.opportunity\_id
  + References platform\_member.user\_id via traveler\_id

**9. card Table**

* **Purpose**: Stores payment card details for travelers.
* **Primary Key**: id
* **Foreign Key**: References platform\_member.user\_id via traveler\_id

**10. fee\_transaction Table**

* **Purpose**: Represents transactions related to fees paid by travelers.
* **Primary Key**: id
* **Foreign Key**: References platform\_member.user\_id via traveler\_id

**11. review Table**

* **Purpose**: Stores reviews submitted by users.
* **Primary Key**: review\_id
* **Foreign Keys**:
  + References user\_account.user\_id via sender\_id and receiver\_id
  + References opportunity.opportunity\_id

**12. notification Table**

* **Purpose**: Stores notifications sent to users.
* **Primary Key**: notification\_id
* **Foreign Key**: References user\_account.user\_id via receiver\_id

**13. message Table**

* **Purpose**: Stores messages exchanged between users.
* **Primary Key**: message\_id
* **Foreign Keys**:
  + References user\_account.user\_id via sender\_id and receiver\_id

**14. report Table**

* **Purpose**: Stores reports submitted by users against other users.
* **Primary Key**: report\_id
* **Foreign Keys**:
  + References user\_account.user\_id via reported\_by\_id and target\_user\_id

**15. support\_content Table**

* **Purpose**: Stores support-related content (e.g., FAQs, guides).
* **Primary Key**: title
* **Note**: This table is standalone and does not reference other tables.