1. **Users** → (Researchers, Administrators, Respondents)
2. **Groups** → (Where configurations like fonts, colors, delays, and pre-answer messages are applied)
3. **Surveys** → (Collections of questions)
4. **Questions** → (Individual survey questions)
5. **Responses** → (Answers provided by respondents)
6. **AI Interactions** → (Logs of respondent-AI exchanges)

**Table: Users**

| **Attribute** | **Type** | **Description** |
| --- | --- | --- |
| userId | String | Unique identifier (UUID) |
| name | String | User's full name |
| email | String | User’s email address |
| role | String | Enum: [Researcher, Administrator, Respondent] |
| groupIds | List | List of groups the user is assigned to |

**Table: Groups**

Each **Group** represents a **set of respondents** with a specific configuration for experiments.

| **Attribute** | **Type** | **Description** |
| --- | --- | --- |
| groupId | String | Unique identifier |
| font | String | Font setting for the group |
| colorScheme | String | Color scheme applied to the group |
| delay | Number | Delay in milliseconds |
| preAnswerMessage | String | Message shown before answering |
| surveyIds | List | Surveys assigned to this group |

//Each **Group** is an experimental unit where different settings (fonts, color schemes, delays) can be tested to measure their impact on trust.

**Table: Surveys**

Each **Survey** contains a **set of questions** and is **assigned to one or more Groups**.

| **Attribute** | **Type** | **Description** |
| --- | --- | --- |
| surveyId | String | Unique identifier |
| title | String | Name of the survey |
| description | String | Survey purpose |
| status | String | Enum: [Open, Closed] |
| groupIds | List | Groups participating in this survey |
| questionIds | List | Questions included in the survey |

**Table: Questions**

| **Attribute** | **Type** | **Description** |
| --- | --- | --- |
| questionId | String | Unique identifier |
| surveyId | String | Associated survey ID |
| text | String | Question text |
| type | String | Enum: [Multiple Choice, Short Answer] |
| options | List | Possible answer choices (if applicable) |
| order | Number | Position of the question in the survey |

**Table: Responses**

| **Attribute** | **Type** | **Description** |
| --- | --- | --- |
| responseId | String | Unique identifier |
| surveyId | String | Associated survey ID |
| groupId | String | Group the respondent was part of |
| respondentId | String | Who answered |
| questionId | String | Question being answered |
| answer | String | Response text or selection |
| createdAt | String | Timestamp |

**Table: AI Interactions**

| **Attribute** | **Type** | **Description** |
| --- | --- | --- |
| interactionId | String | Unique identifier |
| surveyId | String | Associated survey ID |
| respondentId | String | Who asked the AI |
| question | String | What was asked to the AI |
| aiResponse | String | AI-generated answer |
| timestamp | String | Time of interaction |