1**. \*\*Tech Proximity Database\*\***

**a. \*\*Tech Proximity\*\***

| Column Name | Data Type | Description |

| --- | --- | --- |

| id | int | Unique identifier for the tech proximity record |

| user\_id | int | Foreign key referencing the User table |

| tech\_stack | text | The tech stack used by the user |

| proficiency | int | The user's proficiency level in the tech stack |

| interests | text | The user's interests related to the tech stack |

| goals | text | The user's goals related to the tech stack |

| created\_at | timestamp | Timestamp when the record was created |

| updated\_at | timestamp | Timestamp when the record was last updated |

**b. \*\*User\*\***

| Column Name | Data Type | Description |

| --- | --- | --- |

| id | int | Unique identifier for |

| name | text | The user's name |

| email | text | The

| password | text | The user's password (hashed) |

| created\_at | timestamp when the record was created |

| updated\_at | timestamp | Timestamp when the record was last updated |

**c. \*\*Tech Stack\*\***

| Column Name | Data Type | Description |

| --- | --- | --- |

| id | int | Unique identifier for the tech stack |

| name | text | stack |

| description | text | A brief description of the tech stack |

| created\_at | timestamp | Timestamp when the record was created |

| updated\_at | timestamp | Timestamp when the record was last updated |

**d. \*\*Proficiency Level\*\***

| Column Name | Data Type | Description |

| --- | --- | --- |

| id | int | Unique identifier for the proficiency level |

| name | text | The name of the proficiency level (e.g., Beginner, Intermediate, Advanced) |

| description | text | A brief description of the proficiency level |

| created\_at | timestamp | Timestamp when the record was created |

| updated\_at | timestamp | Timestamp when the record was last updated |

**e. \*\*Interest\*\***

| Column Name | Data Type | Description |

| --- | --- | --- |

| id | int | Unique identifier for the interest |

| name | text | The name of the interest (e.g., Web Development, Mobile App Development, Machine Learning) |

| description | text | A brief description of the interest |

| created\_at | timestamp | Timestamp when the record was created |

| updated\_at | timestamp | Timestamp when the record was last updated |

**f. \*\*Goal\*\***

| Column Name | Data Type | Description |

| --- | --- | --- |

| id | int | Unique identifier for the goal |

| name | text | The name of the goal (e.g., Build a personal website, Create a mobile app, Learn a new programming language) |

| description | text | A brief description of the goal |

| created\_at | timestamp when the record was created |

| updated\_at | timestamp | Timestamp when the record was last updated |

**2. \*\*Models\*\***

**a. \*\*TechProximity\*\***

\* `user\_id`: A foreign key referencing the User table, representing the user who is interested in the tech stack.

\* `tech\_stack`: The tech stack that the user is interested in.

\* `proficiency's proficiency level in the tech stack.

\* `interests`: A list of interests related to the tech stack.

\* `goals`: A list of goals related to the tech stack.

**b. \*\*User\*\***

\* `name`: The user's name.

\* `email`: The user's email address.

\* `password`: The user's password (hashed).

**c. \*\*TechStack\*\***

\* `name`: The name of the tech stack.

\* `description`: A brief description of the tech stack.

**d. \*\*ProficiencyLevel\*\***

ProficiencyLevel model would contain the following fields:

\* `name`: The name prof level (e.g., Beginner, Intermediate, Advanced).

\* `description`: A brief description of the proficiency level.

**e. \*\*Interest\*\***

\* `name`: The name of the interest (e.g., Web Development, Mobile App Development, Machine

\* `description`: A brief description of the interest.

**f. \*\*Goal\*\***

\* `name`: The name of the goal (e.g., Build a personal website, Create a mobile app, Learn a new programming language).

\* `description`: A brief description of the goal.