# Skema Database Server

## Table User

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Field | Type | Default | Key |
| 1. | id | Int | Not null, AI | Primary |
| 2. | email | Varchar(255) | Not nul | Unique |
| 3. | password | Varchar(32) | Not null | - |

## User\_Repo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Field | Type | Default | Key |
| 1. | id | int | Not null, AI | Primary |
| 2. | user\_id | int | Not null | Foreign |
| 3. | repo\_id | int | Not null | Foreign |

## Repository

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Field | Type | Default | Key |
| 1. | id | Int | Not null, AI | Primary |
| 2. | name | varchar(255) | Not null | Unique |
| 3. | path | Text | Not null | Foreign |

## Revision\_Repo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Field | Type | Default | Primary |
| 1. | id | Int | Not null, AI | Yes |
| 2. | repo\_id | Int | Not null | Foreign |
| 3 | rev\_num | Int | Not null | Foreign |
| 4. | structure | Text | Not null |  |

## Invitation

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Field | Type | Primary |
| 1. | id | int | Yes, AI |
| 2. | sender\_id | int | Foreign |
| 3. | reciever\_id | int | Foreign |
| 4. | expired | bool |  |

# Skema Database Client

* Working Folder
  + Path
* User Information
  + Email
  + Password
* List Repo
  + Repo[]
* Current Structure per Repo
  + File
    - Name
    - Modified Time
  + Folder
    - Name
    - Modified Time
    - Files[]