|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table | Attribute | Type | Required | PK/FK | FK Reference Table |
| admin | id | int |  | PK |  |
|  | username | text | Yes |  |  |
|  | email | text | Yes |  |  |
|  | password | text | Yes |  |  |
|  | fullname | text |  |  |  |
|  | address | text |  |  |  |
|  | birth | text |  |  |  |
| users | id | int |  | PK |  |
|  | username | text | Yes |  |  |
|  | email | text | Yes |  |  |
|  | password | text | Yes |  |  |
|  | fullname | text |  |  |  |
|  | address | text |  |  |  |
|  | birth | text |  |  |  |
| books | id | int |  | PK |  |
|  | book\_name | text | Yes |  |  |
|  | description | text | Yes |  |  |
|  | catagories | text | Yes |  |  |
|  | author | text | Yes |  |  |
|  | link | text |  |  |  |
|  | image | text |  |  |  |
| knownpatterns | knownpatterns | text | Yes |  |  |
|  | category | text |  |  |  |