**DB**

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| --- | --- |
| **Users** | id, username, passwordHash |
| **Groups** | id, name, date, user\_id, is\_removed |
| **Words** | id, word, part\_of\_speech\_id, group\_id, language\_id |
| **Translations** | id, word\_id, translation, language\_id |
| **Parts of speech** | id, part of speech |
| **Languages** | id, language |
| **Tests** | id, date, points, user\_id, group\_id |
| **Tokens** | id, currentDate, invalidToken |

**Views**

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| **Home** | List of groups (name, count of words),  buttons “view group”, “add group”, “remove group” |
| **Group of words** | Name,  Datatable (word, translation, part of speech),  buttons “add word”, “create test”, “export group”, “remove word”, “edit word” |
| **Login** |  |
| **Registration** |  |
| **Test** | Page with current test |
| **Account** | Test results (datatable, column “trash”), button “Clear all”  Settings (language switch) |

1. Remove one result, remove all results
2. When remove group, checking if tests on this group exist. If no tests, removing this group, if tests exist, adding flag “is\_removed”
3. When remove one test, checking