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# NGBLA
## (National German Basketball League for Amateurs)

**Goal:**

Create fan page for national German basketball league.

## Iterations:
**0. (login, register, logout);**
1. **First iteration:**
   1) *Create post(for superuser);*
   2) *Edit post(for superuser);*
   3) *Delete post(for superuser);*
   4) *Read posts list;*
   5) *Read post in detail;*
2. **Second iteration:**
   1) *Manage user privileges;*
   2) *Create forum post;*
   3) *Edit forum post;*
   4) *Delete forum post;*
3. **Third iteration:**
   1) *Comment in forum and news feed;*
   2) *Delete comment;*
   3) *Submit match details (for superuser);*
   4) *Submit player details (for superuser);*
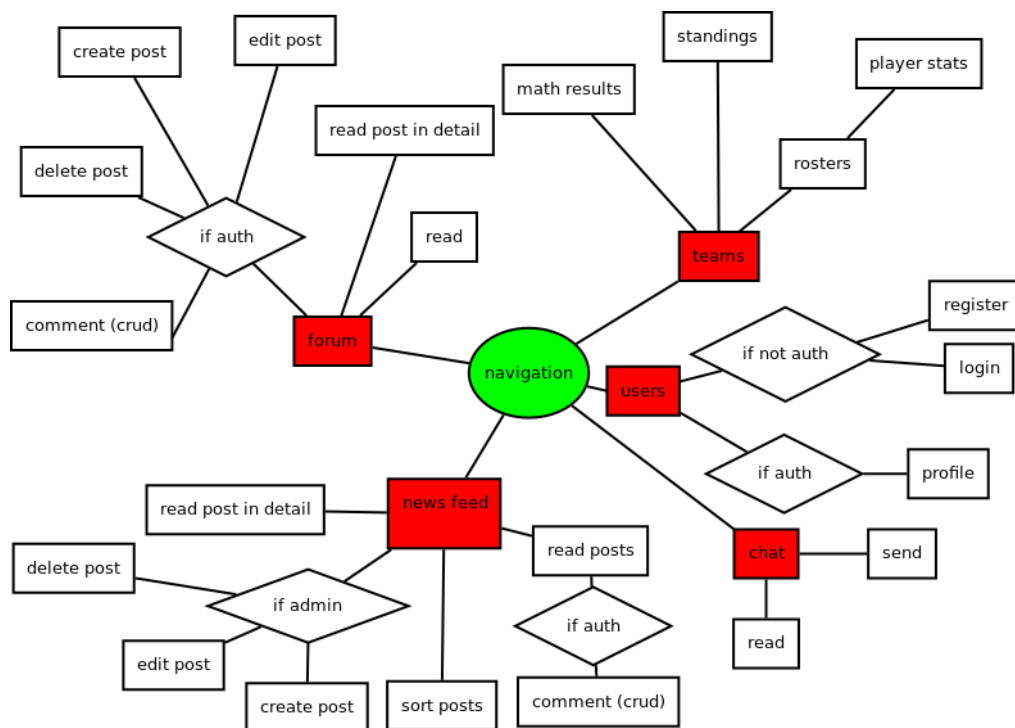4. **Fourth iteration:**
   1) *Submit score (for superuser);*
   2) *Sort out news by team;*
   3) *Chat (read, send);*
   4) *CRUD player statistics(for superuser);*

## Technologies used:
1. *Python Django (framework);*
2. *JavaScript;*
3. *SQLite;*
4. *Git (github);*

**Service actions diagram:**



Forum for teams fans (crud functions);
- *read post;*
- *create post;*
- *edit post;*
- *delete;*
- *comment;*

Chat (AJAX);
- *read;*
- *post;*

Login/register forms;
- *create user;*
- *authenticate user;*

Teams statistics;
- *roster;*
- *standings;*
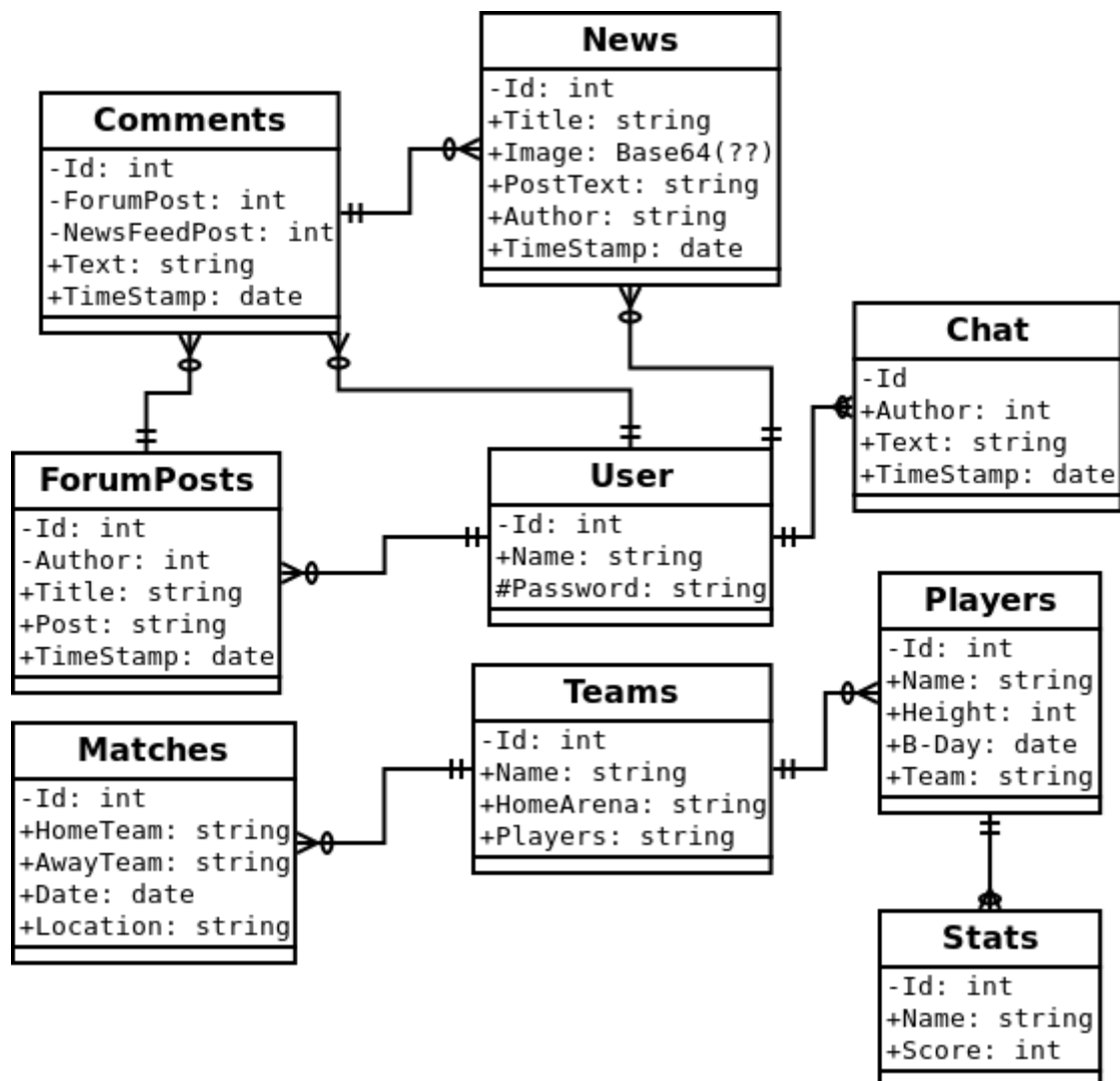- *results;*
- *players stats;*

Schedule;
- *upcoming matches;*
- *history;*

News feed;
- *read post;*
- *create post;*
- *edit post;*
- *delete;*
- *comment;*
- *sort by team;*

**Database structure:**
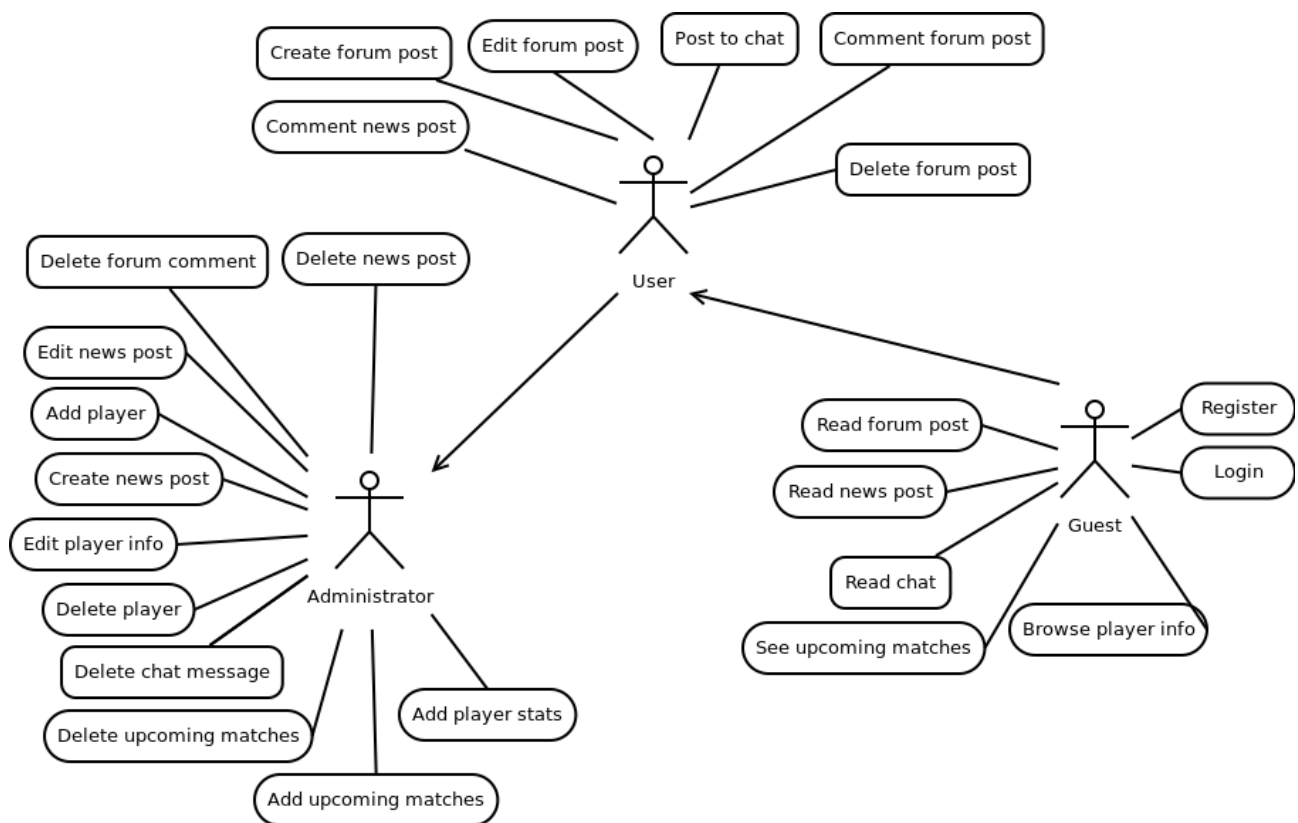
**Diagram:**



Listed tables can be found in the following page.

**Tables:**

- Users;
  - *Name;*
  - *Password;*
- News;
  - *Title;*
  - *Image;*
  - *PostText;*
  - *Author(User.Id);*
  - *TimeStamp;*
- Players;
  - *Name;*
  - *Height;*
  - *B-Day;*
  - *Team(Team.Name);*
- Stats;
  - *Player(Player.id);*
  - *Player(Player.Name);*
  - *Score;*
- Teams;
  - *Name;*
  - *HomeArena;*
  - *Players(Player.Name);*
- Matches;
  - *HomeTeam(Team.Name);*
  - *AwayTeam(Team.Name);*
  - *Date;*
  - *Location(Team.HomeArena);*
- ForumPosts;
  - *Author(User.Id);*
  - *Title;*
  - *Post;*
  - *TimeStamp;*
- Comments;
  - *ForumPost(ForumPosts.Id);*
  - *NewsFeedPost(News.Id);*
  - *Text;*
  - *TimeStamp;*
- Chat;
  - *Author(User.Id);*
  - *Text;*
  - *TimeStamp;*

**Use case diagram:**



User inherits Guest's functions and Administrator inherits both User's and Guest's functionality.