

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);*

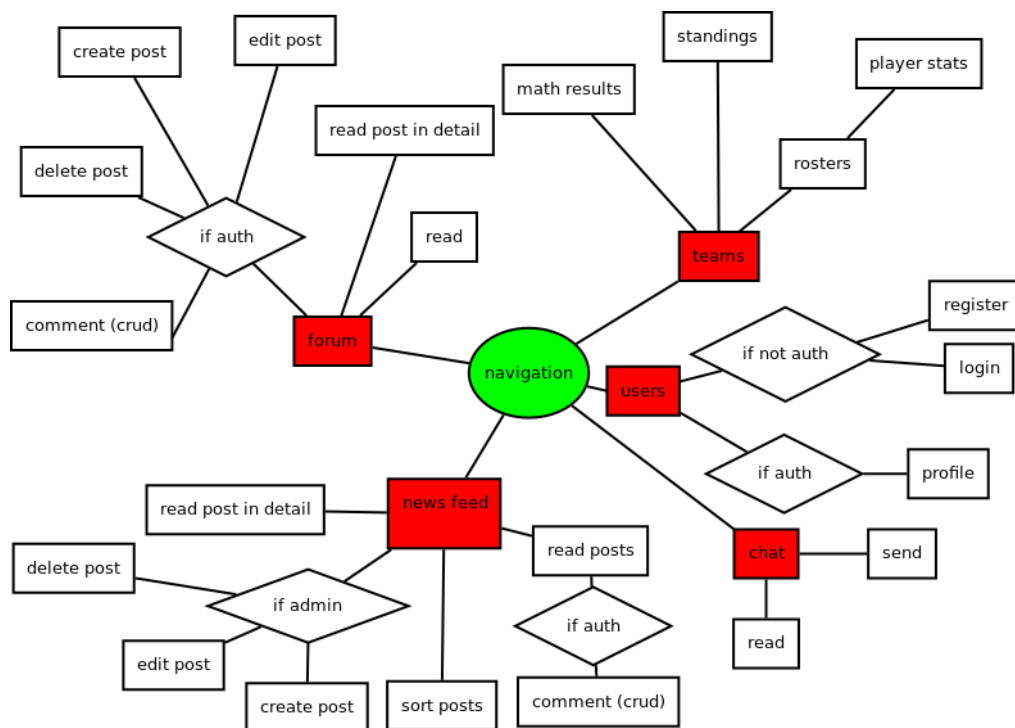
4. Fourth iteration:

- 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;

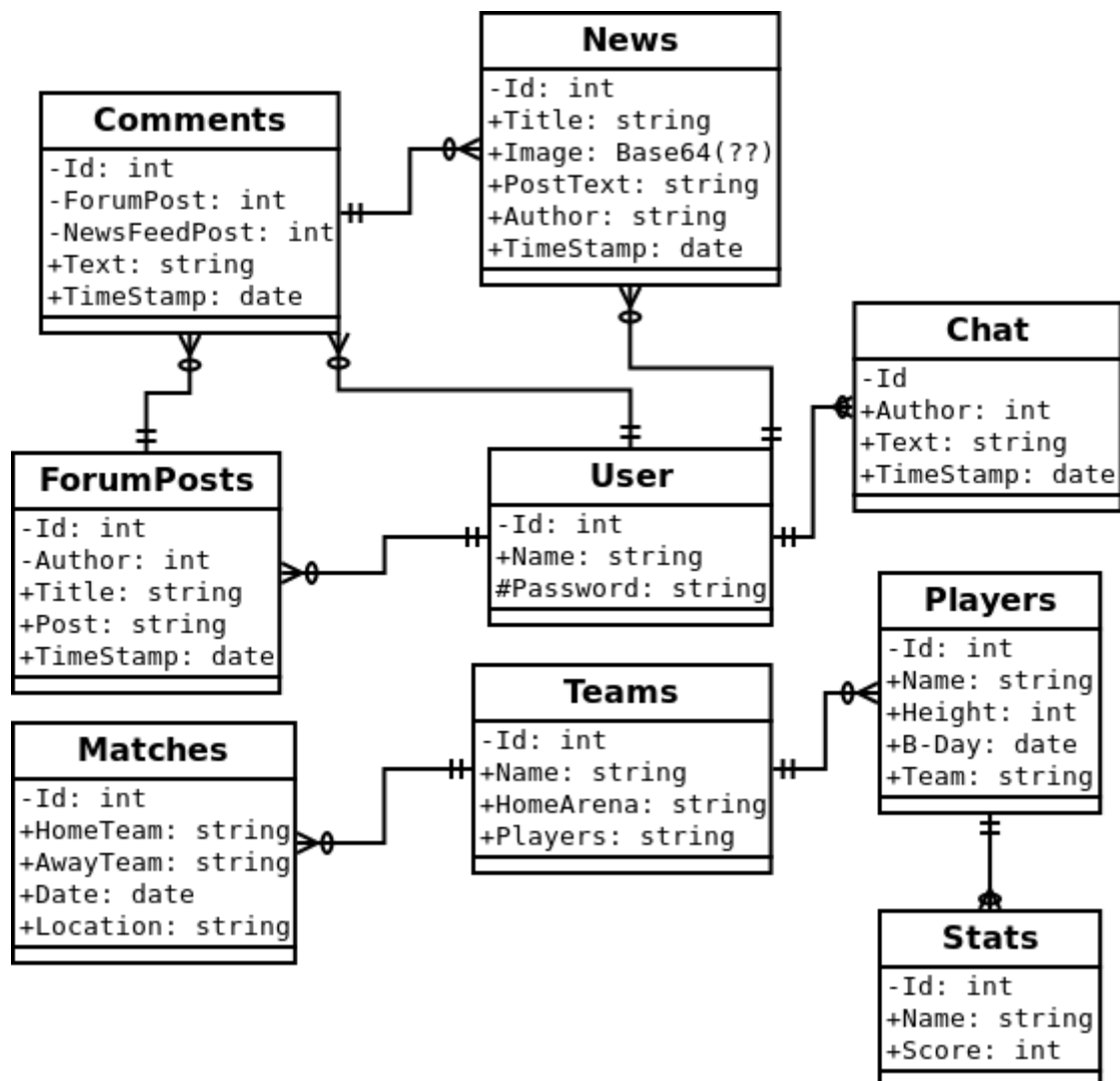
- *upcoming matches;*
- *history;*

News feed;

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

Database structure:

Diagram:



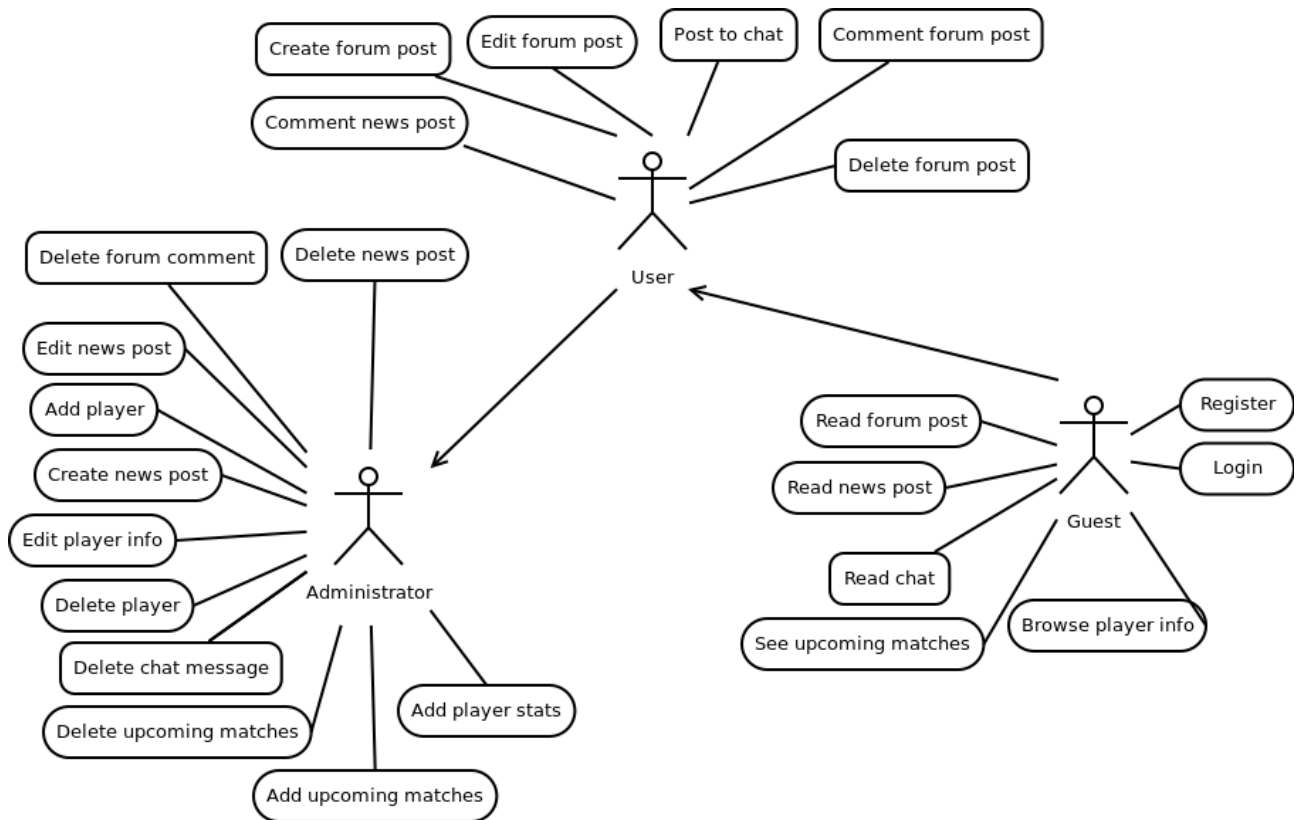
Listed tables can be found in the following page.

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.