

# Architecture

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Designed a database with 2 collections, Users and Posts.

The Posts collection has title and tags[] fields indexed for fast read speeds.

---Collection#1:

```
Users {
  _id: xxx,
  name: xxx,
  email: xxx,
  password_hash: xxx,
  profile_pic: xxx,
  [optional] superadmin: True/False,
  [optional] admin: True/False,
  [optional] editor: True/False,
  [optional] users_assigned: [xxx.ID, xxx.ID, ...]
}
```

---Collection#2:

```
Posts {
  _id: xxx,
  title: xxx,
  content: xxx,
  image_links: [xxx, xxx...],
  author_name: xxx,
  author: xxx.ID,
  tags: [xxx, xxx, xxx...],
  comments: [
    { id: xxx.ID, commenter_name: xxx, commenter_id: xxx.ID,
source_id: comments.xxx.ID, text:xxx }
    .
    .
    .
  ]
}
```