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CS546WS Summer 2018
Final Project – Forum DB Proposal

Users

Collection of all user accounts/info

{
    _id: "12345",
    username: "jmcgirr",
    password: "lolnicetry",
    email: "jmcgirr@stevens.edu",
    joindate: 20180722,
    posts: 121
}

_id	String	Unique userid (probably uuid for all IDs, although Forums/Subs are probably ok with something simpler)
Username	String	username
Password	String	Users pw (will be stored securely, tbd)
Email	String	Users email for communications
Joindate	Date	Date joined
Posts	int	Number of posts made

Forums ("Categories")

All main forums ("categories")

{
    _id: "67890",
    name: "Smartphones"
}

_id	String	Unique category id
Name	string	Category display name

Subforums

Collection of all subforums

```
{
        _id: "12321",
        Name: "Android Phones",
        Parent: "67890",
        Posts: 20
}
```

_id	String	Unique subforum id
Name	String	Subforum name
Parent	String	Parent forum ID
Posts	Int	Number of posts contained

Threads

Collection of all threads

```
{
        _id: "12345",
        Title: "LG V35 LineageOS ROM",
        Parent: "12321"
        Created: 20180722 23:45,
        Poster: {
                _id: "12345",
                username: "jmcgirr",
                password: "lolnicetry",
                email: "jmcgirr@stevens.edu",
                joindate: 20180722,
                posts: 121
        },
        Firstpost: {
                _id: "54321",
                Content: "Here is an LG V35 ROM",
        Poster: {
```

```
                _id: "12345",
                username: "jmcgirr",
                password: "lolnicetry",
                email: "jmcgirr@stevens.edu",
                joindate: 20180722,
                posts: 121
        }
        NumberInThread: 1,
        createdDate: 20180722 23:45
        },
    Lastpost: {
        _id: "102030",
        Content: "Oh awesome thanks",
        Poster: {
                _id: "321321",
                username: "someone",
                password: "lolnicetry2",
                email: "someone @stevens.edu",
                joindate: 20180712,
                posts: 5
        },
        NumberInThread: 3,
        createdDate: 20180722 23:55
        },
    posts: 3
}
```

_id	String	Unique thread id
Title	String	Thread title
Parent	String	Parent forum ID
Created	Date	Date created (aka of first post)
Poster	obj	User who posted
FirstPost	obj	First post
LastPost	Obj	Last post
Posts	int	Number of posts in thread

Posts

Collection of all user accounts/info

```
{
        _id: "102030",
        Content: "Oh awesome thanks",
        Poster: {
                        _id: "321321",
                        username: "someone",
                        password: "lolnicetry2",
                        email: "someone @stevens.edu",
                        joindate: 20180712,
                        posts: 5
        },
        NumberInThread: 3,
        createdDate: 20180722 23:55
        inThread: "12345"
}
```

_id	String	Unique post id
Content	String	Content/body of post
Poster	Obj	User who posted
Numberinthread	Int	Number the post is within thread
Createddate	Date	Date posted
Inthread	Str	Id of containing thread