

AIFORUM

AITU FORUM - Connecting Students and Enhancing Their Communication Skills. Here you can find many different topics to discuss topical issues. For example: events at our university, anime, clubs, etc.

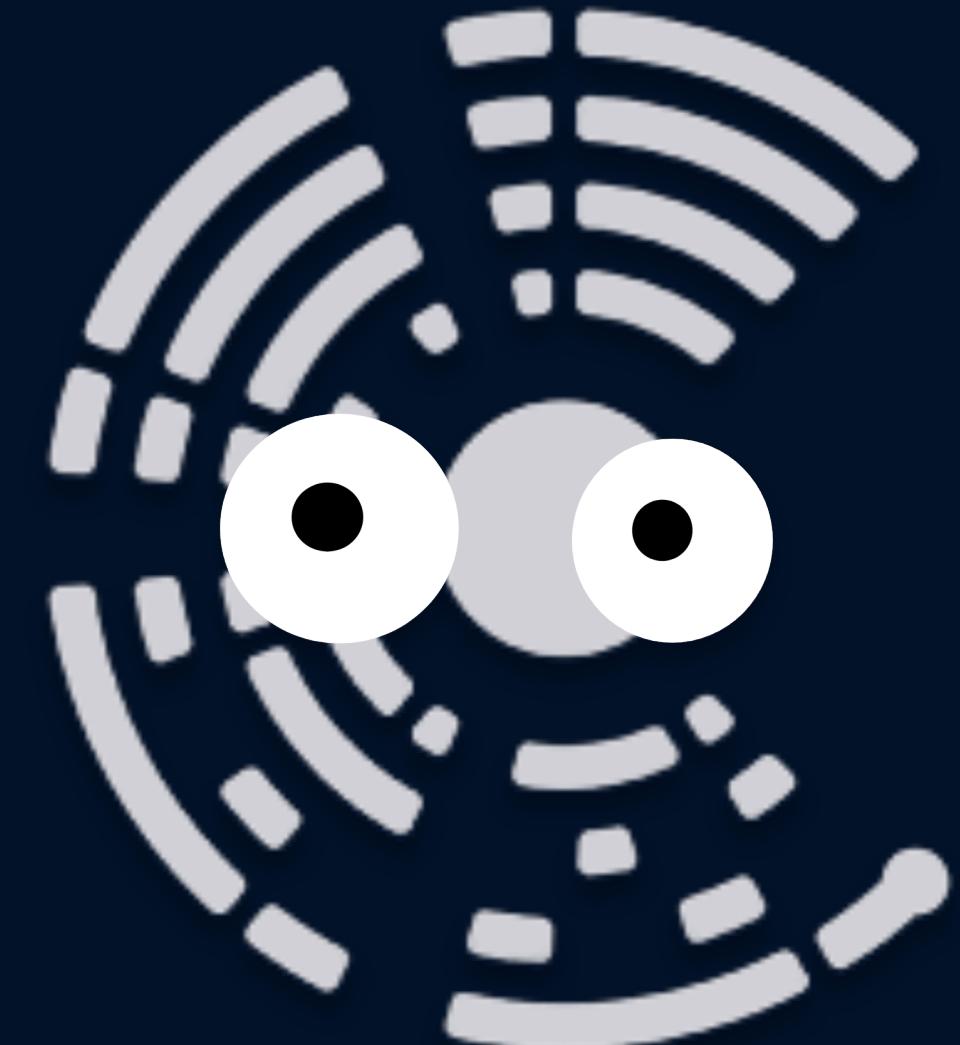
TEAM NAME: AIGYR



Presentation By Darkhan Bekuzak, Tairzhan Kassenov, Yermekbayev Bekslan

OUTLINE OF THE PRESENTATION:

1. Objectives of the project
2. Project relevance
3. Project features
4. Stack & technologies
5. Project performance
6. Future development possibilities
& Conclusion



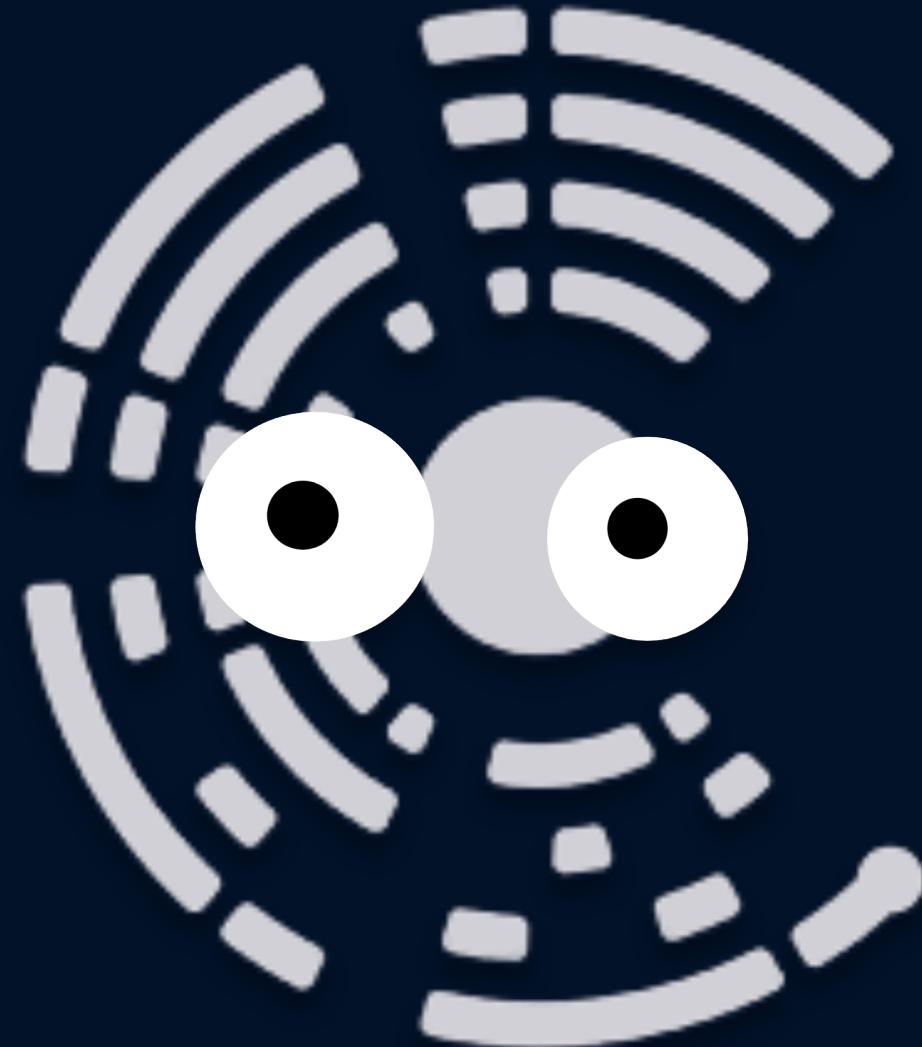
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OBJECTIVES OF THE PROJECT

1. To create a web application that encourages students to participate in discussions and share their ideas and experiences.
2. To provide a platform for students to communicate with others who have similar interests, but also with those who have different perspectives.
3. To promote the development of a forum industry in Kazakhstan by offering a new and innovative platform for online discussions.
4. To create a user-friendly interface that enables students to easily navigate the application and participate in discussions.
5. To offer unique features that set the application apart from other forum-based websites, such as real-time data processing and modular architecture.
6. To enhance the marketing strategy to promote the application and build its user base, including social media promotion, targeted advertising, and partnerships with relevant organizations.

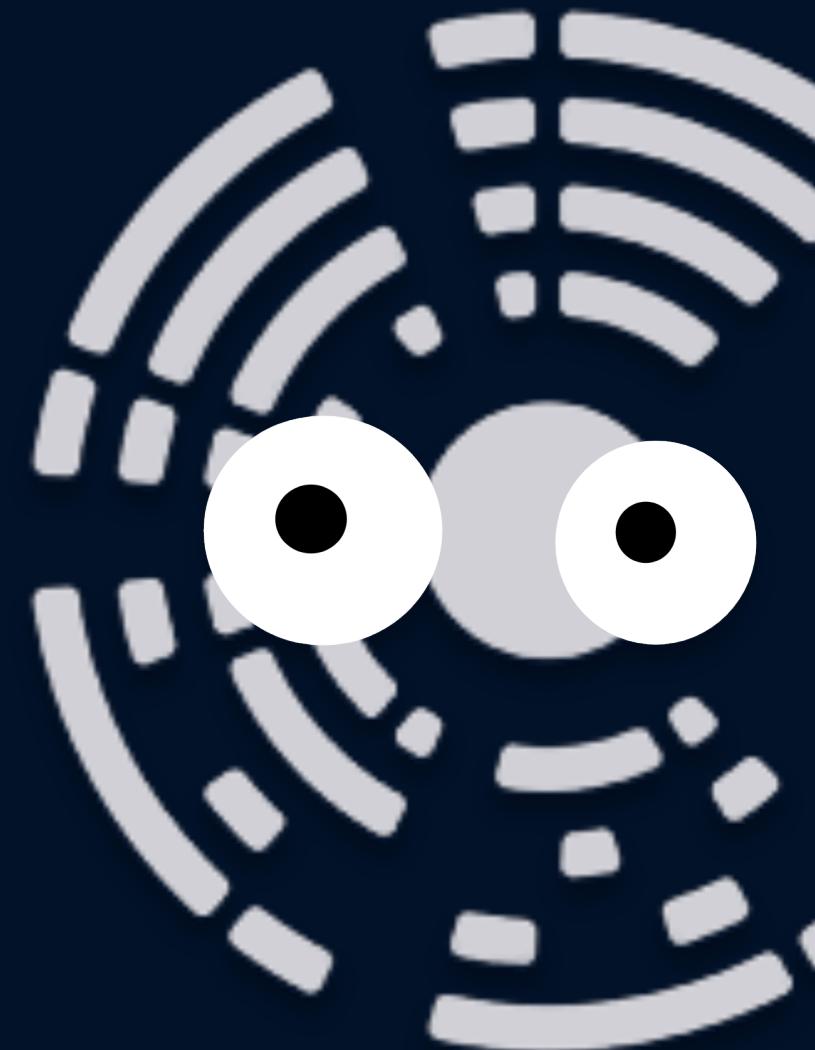


Providing discussions between students of AITU. Increasing level of communication.
Also AIFORUM can be used for various purposes, not just communication, but also getting help and answers.



PROJECT RELEVANCE

In the present time, a plethora of students are being closed and introvert from the real world, and spent their time in the Internet. Furthermore, weak development of the forum industry in Kazakhstan. Our team supposed that is one of the problems of teenager students in the era of globalization and technologies. With this problem, we wanted to create type of web application, in which the students of different views and hobbies discuss a topic, share their ideas and experience, hold discussions, express opinions.



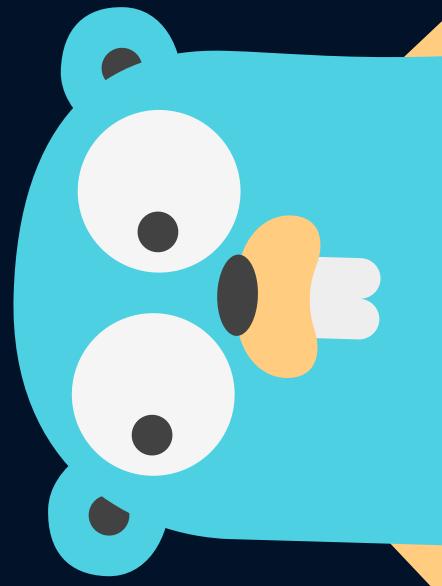
PROJECT FEATURES

Eye-Catching Functionalities: for Front Pages

1. Interactive user interface (UI): In this step, we add hover effects, custom icons and nav bar for more visually appealing the users.
2. Personalization features: In this step, we add color schemes like rgb for other pages, and font sizes with 19px for titles of pages. It is for increase the user engagement.

Eye-Catching Functionalities: for Back-end (Go)

1. Real-time data processing: The clean code includes visual tools for analyzing and visualizing data in real-time.
2. Modular architecture: This include tools for generating and managing modules, as well as visual tools for navigating module dependencies.



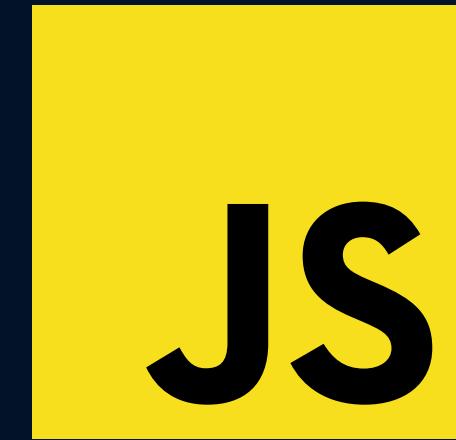
STACK & TECHNOLOGIES



Golang



SQLite

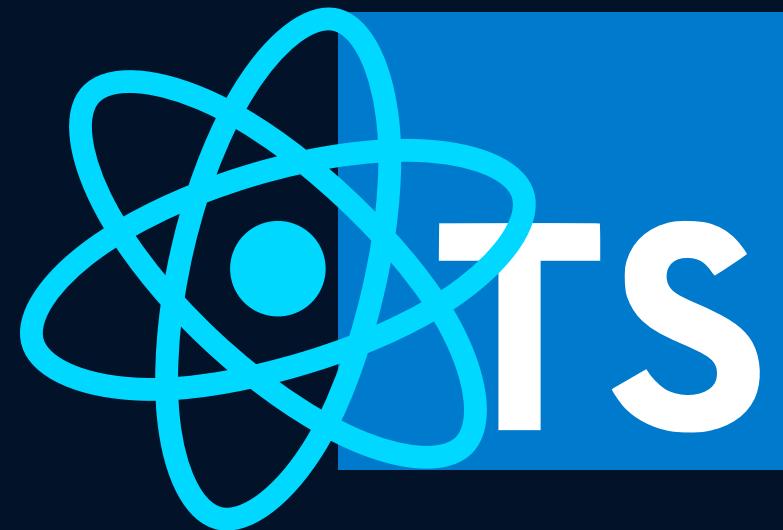


Javascript



html & css

Technologies changed
during the project (a lot)



React & Typescript (At first)

COLLECTIONS, UML, ERD

Authentication

```
type Post interface {
    // CRUD
    CreatePost(post models.Post, user models.User) error
    UpdatePost(postId int, post models.Post, user models.User) error
    DeletePost(postId int, user models.User) error
    // GET
    GetAllPosts(filter string) ([]models.Post, error)
    GetPostById(id int) (models.Post, error)
    GetPostsByUsername(username string) ([]models.Post, error)
    GetAllCategories() ([]string, error)
    UpdateCountsReactions(object string, likes int, dislikes int, postId int) error
}

func (h *Handler) InitRoutes() {
    h.Mux.HandleFunc("/", h.homePage)

    h.Mux.HandleFunc("/auth/signin", h.signIn)
    h.Mux.HandleFunc("/auth/signup", h.signUp)
    h.Mux.HandleFunc("/auth/logout", h.logOut)

    h.Mux.HandleFunc("/post/", h.post)
    h.Mux.HandleFunc("/post/create", h.createPost)
    // h.Mux.HandleFunc("/post/delete/", h.deletePost)
    // h.Mux.HandleFunc("/post/change/", h.changePost)
    h.Mux.HandleFunc("/post/like/", h.likePost)
    h.Mux.HandleFunc("/post/dislike/", h.dislikePost)
    h.Mux.HandleFunc("/post/categories/", h.filterPostCategories)

    // h.Mux.HandleFunc("/comment/delete/", h.deleteComment)
    // h.Mux.HandleFunc("/comment/change/", h.changeComment)
    h.Mux.HandleFunc("/comment/like/", h.likeComment)
    h.Mux.HandleFunc("/comment/dislike/", h.dislikeComment)

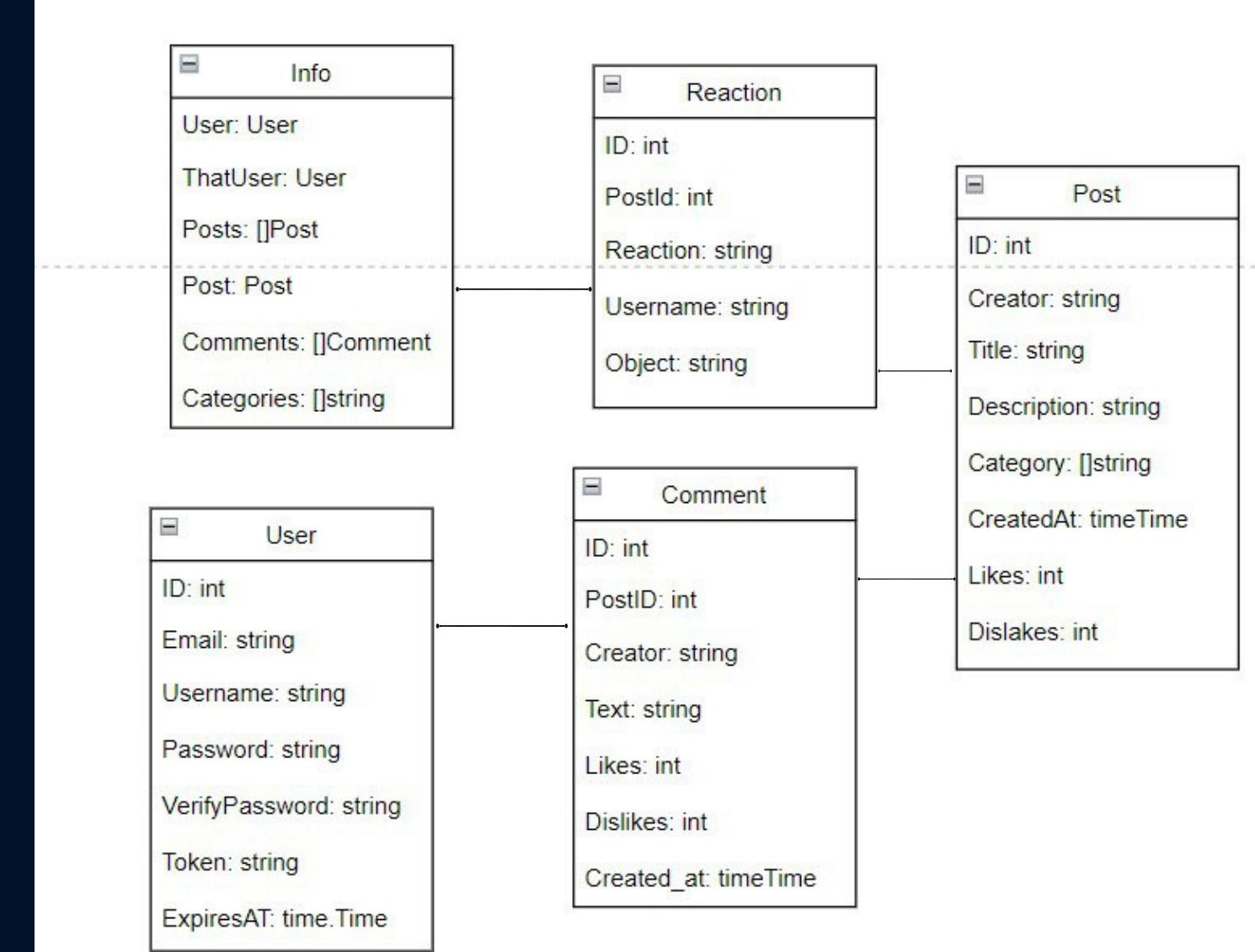
    h.Mux.HandleFunc("/profile/", h.userProfilePage)
}
```

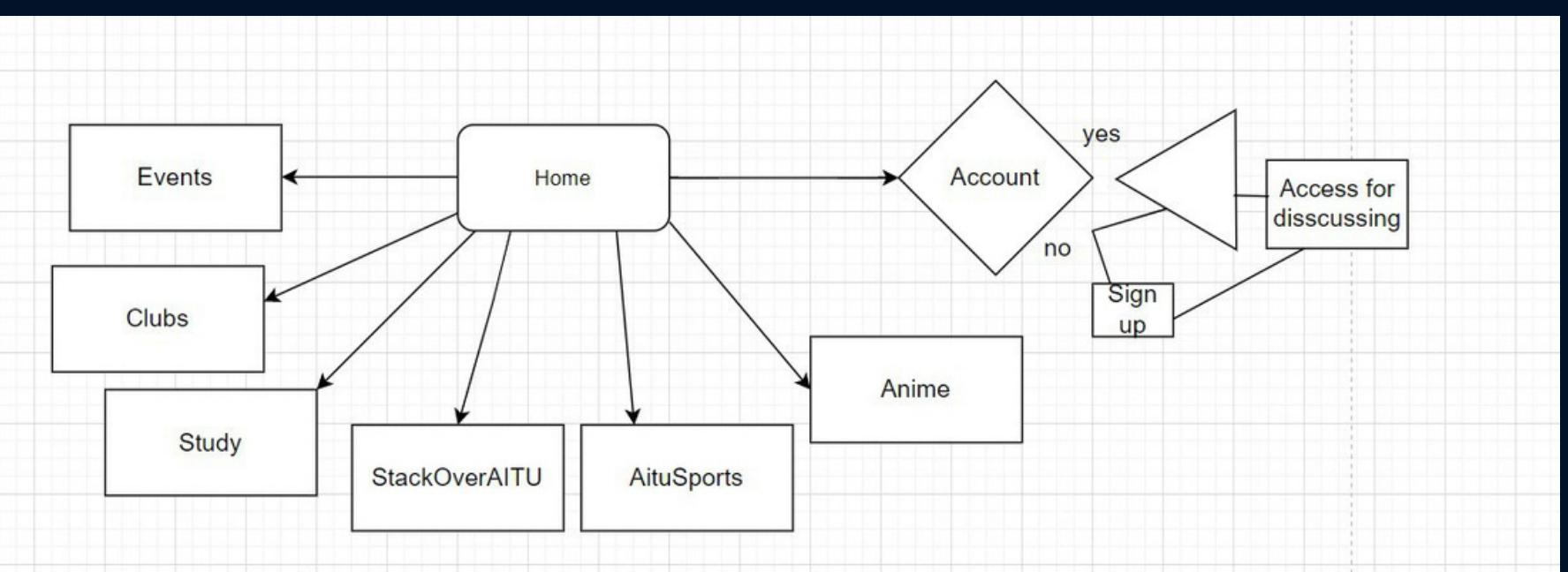
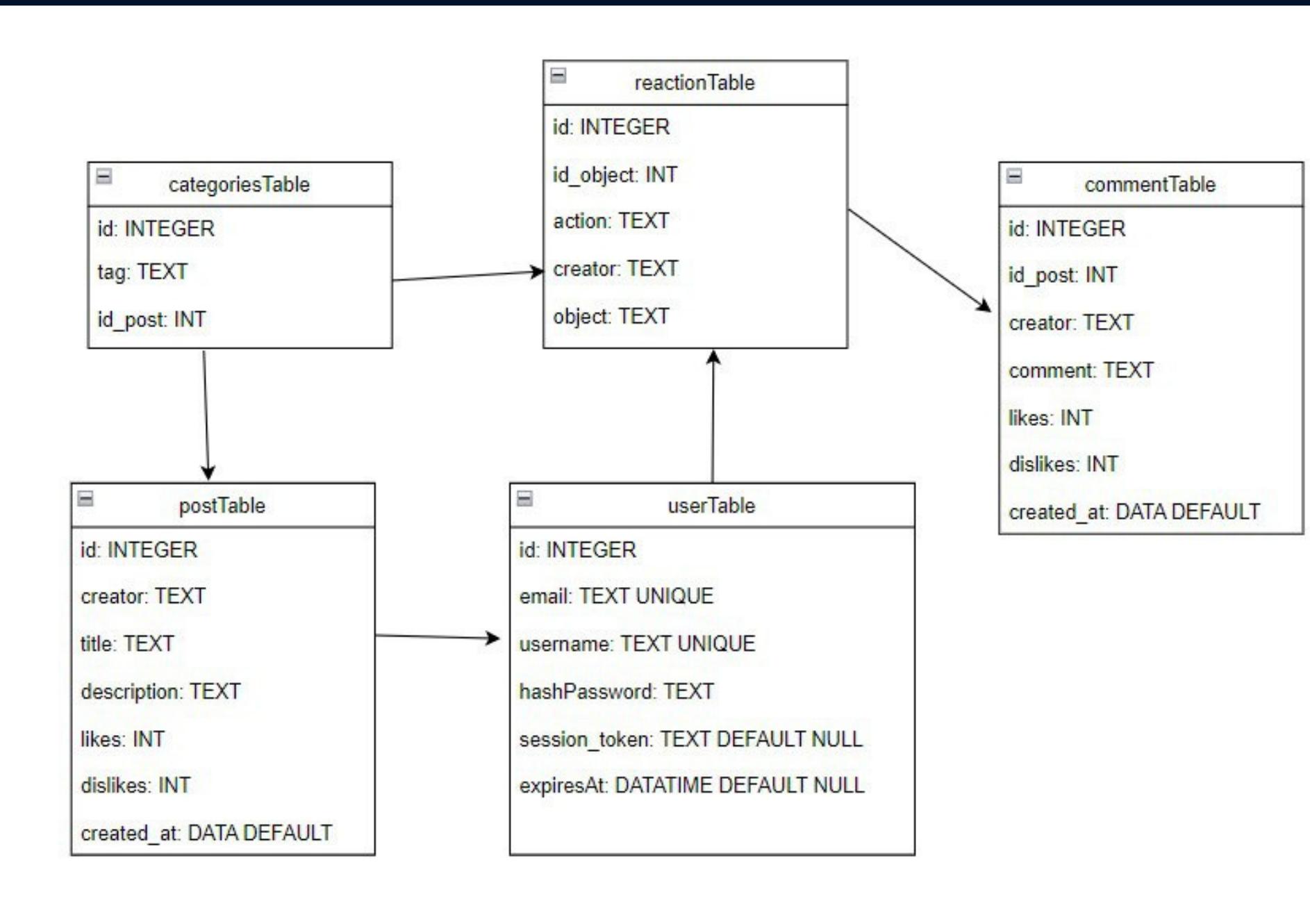
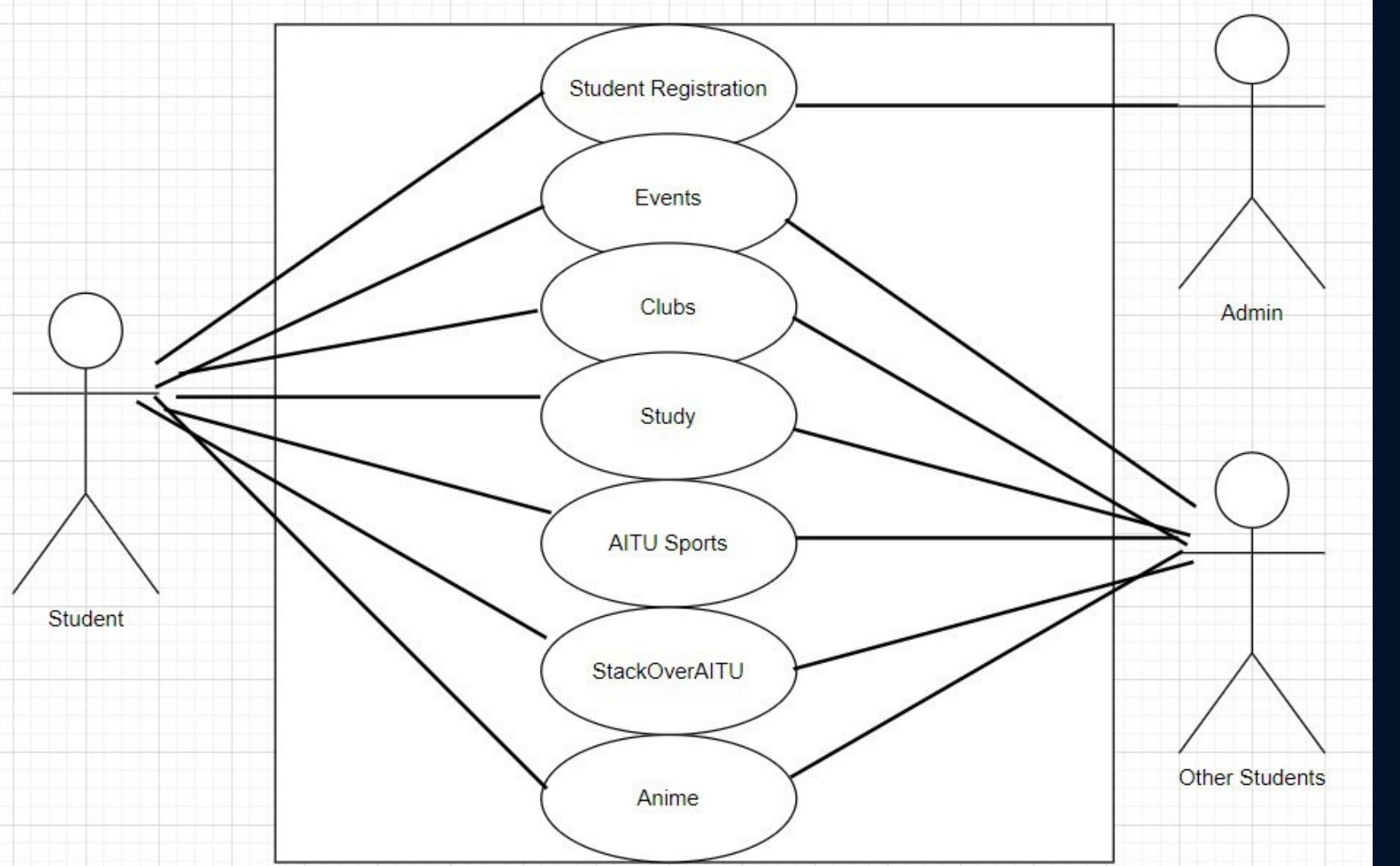
Methods

```
type Auth interface {
    CreateUser(user models.User) error
    GenerateSessionToken(login, password string) (string, time.Time, error)
    ParseSessionToken(token string) (models.User, error)
    DeleteSessionToken(token string) error
}
```

Routes

UML





ERD



Events Clubs Study StackOverAITU AITU Sports Anime My Posts Liked

Add a post

Log out



EVENTS



CLUBS



STUDY



AITU

STACKOVERAITU



AITU SPORTS



ANIME

Login



darhabeka22@gmail.com



.....

Registration



email



username

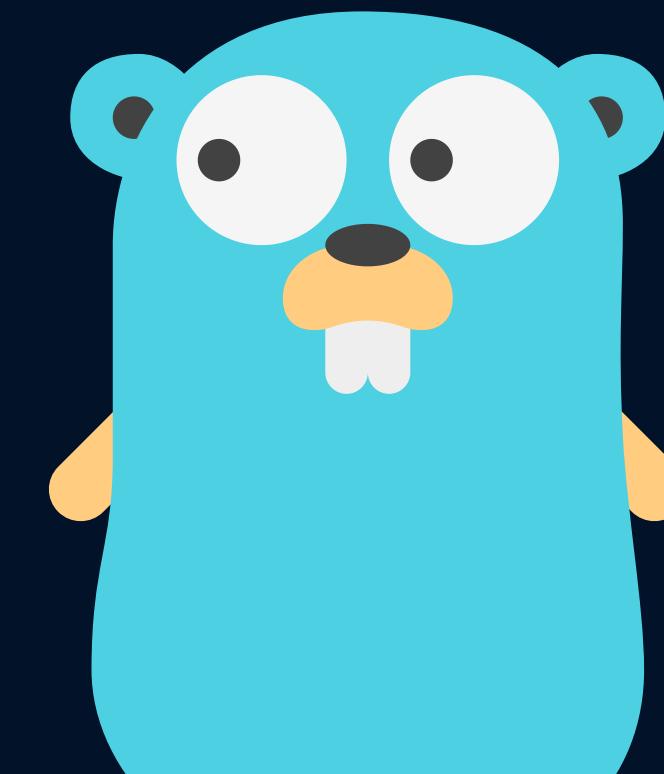


password

I agree all statements in [Terms of service](#)

FUTURE DEVELOPMENT POSSIBILITIES & CONCLUSION

Our future development possibilities will enhance the project's performance and user experience, making it a more engaging and interactive platform for student this could have outgrown our university, and become a big IT forum, but unfortunately our competence does not allow us to run even at the university.



**THANK YOU
FOR YOUR ATTENTION**

