# Documentation 📃

**LiaAuth** is an API used for licensing softwares.

Website: <https://liaauth.herokuapp.com/>

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## Getting Started

How does it work?

To start, things off you need to create an account. Once you log in you need to create a [project](https://liaauth.herokuapp.com/). Creating a project would make the [license](https://liaauth.herokuapp.com/) section appear in which you can generate license according to the project selected.

**LiaAuth** gets a request from your application. It checks if the license is in the project requested. If yes, it gets the license from the database and update it. It also checks whether the origin of the requested is different to limit access of a key to one user.

Register / Login

To register an account you need email, name, password, and password must match the confirm-password field.

Requirements:

*Name: Must only contain letters*

*Email: Must be valid*

*Password: Must not be empty*

*Confirm Password: Must match password*

To login an account you need your email and password.

Requirements:

*Email: Must not be empty*

*Password: Must not be empty*

**Creating a project**

To create a project, you must go to Dashboard - [Project](https://liaauth.herokuapp.com/)

Requirements:

*Project Name: Must be between 1 and 30 characters*

**Generating Licence**

Licences are generated by [UUID](https://www.npmjs.com/package/uuid) library in 36 characters format.

To generate license, you must go to Dashboard - [License](https://liaauth.herokuapp.com/). You must choose a project first.

## Connecting from 3rd party

Post Request to [*https://liaauth.herokuapp.com/api/public/checklicense*](https://liaauth.herokuapp.com/)

**Request Data**

*email: String*

*project: String*

*license: String*

**Response**

*404: "License not found on project"*

*403: "Key is already used by another user"*

*403: "Project not found"*

*200: "License OK"*

**Sample Project**

[Sample C++ Project](https://www.mediafire.com/file/iwv69l7edax2zjg/LiaAuth_SampleProject.zip/file)

## Checklist

GET routes

* Get All Users */api/private/users*
* Get All Project of a user */api/private/projects/:email*
* Get All Licenses of a project */api/private/license/:project*
* Get All Licenses of all projects */api/private/licensecount/:email*

POST routes

* Register Handler */api/private/register*
* Login Handler */api/private/login*
* New Project Handler */api/private/newproject*
* Generate License Handler */api/private/newlicense/*
* Check License Handler */api/public/checklicense/*

Database

Collections / Models

* Users
* Projects
* Licenses

References

* Users references Project
* Project references Licenses

Validations

* Register Form
* Login Form
* Project Form

## References / Citations

Logo/Icon



Icons made by [Smashicons](https://www.flaticon.com/authors/smashicons) from [www.flaticon.com](https://www.flaticon.com/)

Validation Regex for Letters Only

File: validators.js Line: 14

By [Hlib Derbenov (StackOverFlow)](https://stackoverflow.com/questions/58475407/how-to-check-if-input-in-input-field-has-alphabets-only-in-express-validator)

Cookies (Modified the code to my own liking)

File: cookie.js Line: 6, 10, 14

By [Mozilla's Documentation of Cookies](https://developer.mozilla.org/en-US/docs/Web/API/Document/cookie#example_3_do_something_only_once)

Hamburger Menu Image

Hamburger Menu Toggle

By [pngkey](https://www.pngkey.com/detail/u2e6a9t4t4w7t4u2_mobile-menu-for-barefoot-resort-vacations-hamburger-menu/" \t "_blank)

Conditional Rendering

Inspired From [reactjs.org](https://reactjs.org/docs/conditional-rendering.html)

Linear Gradient

File: src/style.css Line: 294

By [Mozilla's Documentation of Linear Gradient](https://developer.mozilla.org/en-US/docs/Web/CSS/linear-gradient())