



Apollo

29.07.2016

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Overview

In an age where digital information is taking over paperback and ease of access is one of the biggest requirements on the market, the luxury of being able to attend a certain course or be able to read up on a certain material of interest from the comfort of your home has almost become common practice. Yet most websites will only throw a wall of text on a page and call it a day.

We aim for something different.

We wish to bring a whole new level interaction between content creators or teachers that wish to make their lives easier, and users. Other websites are the boring teachers that have been in the system for ages and they do things the old fashioned way.

We want to be the new cool teacher that brings videos and powerpoints, putting the theory into practice, interacts with his students and welcomes questions, but who is also very knowledgeable and able to adapt to the ever-evolving world of technology.

How do we want to do that?

By bringing more power to content creators and users alike. We give our users access to a plethora of training materials with an easy access menu that dynamically modifies according to the user's wishes. We also provide a handy "notebook" for each material where users can write things that are important to them, but also a live chat where they can interact with the content-creators in order to ask questions or give suggestions.

Our content creators have the utmost power regarding their own materials, being able to modify or even delete them whole and replace them with other, better materials of their choosing. They can interact with users and help them in real time with their issues, and can also organise entire live classrooms with the option of making them premium-only, blocking them behind a paywall.

Why choose us?

Stability. Our website is stable, responsive and has a style that is not heavy on the eyes. You get the material that you want, with a crisp clean image without clutter.

Ease of access. Our website has a minimalistic and intuitive menu. You choose the technology you want to learn about, one of the topics available and we display all of the materials in a stylish fashion for you to choose. We also provide a real classroom with real teachers, allowing you to attend courses from the comfort of your home.

Perhaps the most important. It's for the most part free. All of our materials are free and open to the public provided they have an account made on our website and they can access it free of charge. We also provide a premium option that is placed behind a paywall for special trainings provided by experts, be they live classrooms or private tutelage.

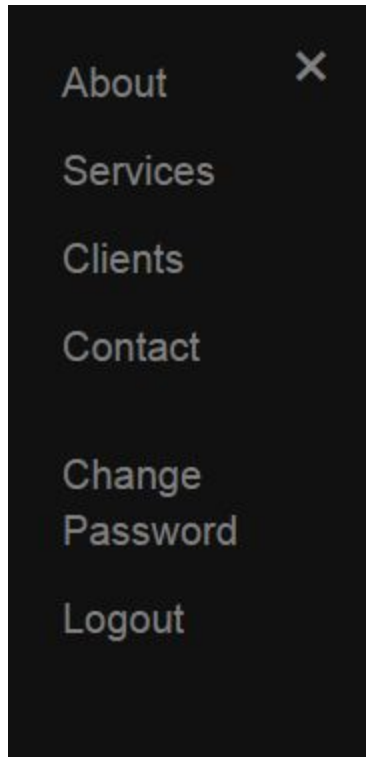
Goals

1. Providing an interactive environment where a user can search and follow materials posted by content editors regarding certain topics. These materials can either be images, pdf's or even videos.
2. Providing an environment where a user can test his knowledge through either randomly generated tests or content editor created tests.
3. Provide a content creator the ability to create tests or even classrooms for users in which they can teach a certain topic.
4. Provide a content creator with the ability to upload revisions to a certain material and add / remove entire materials / topics.
5. Provide live-streaming services for content editors and users for free or as a premium service behind a paywall.

Specifications

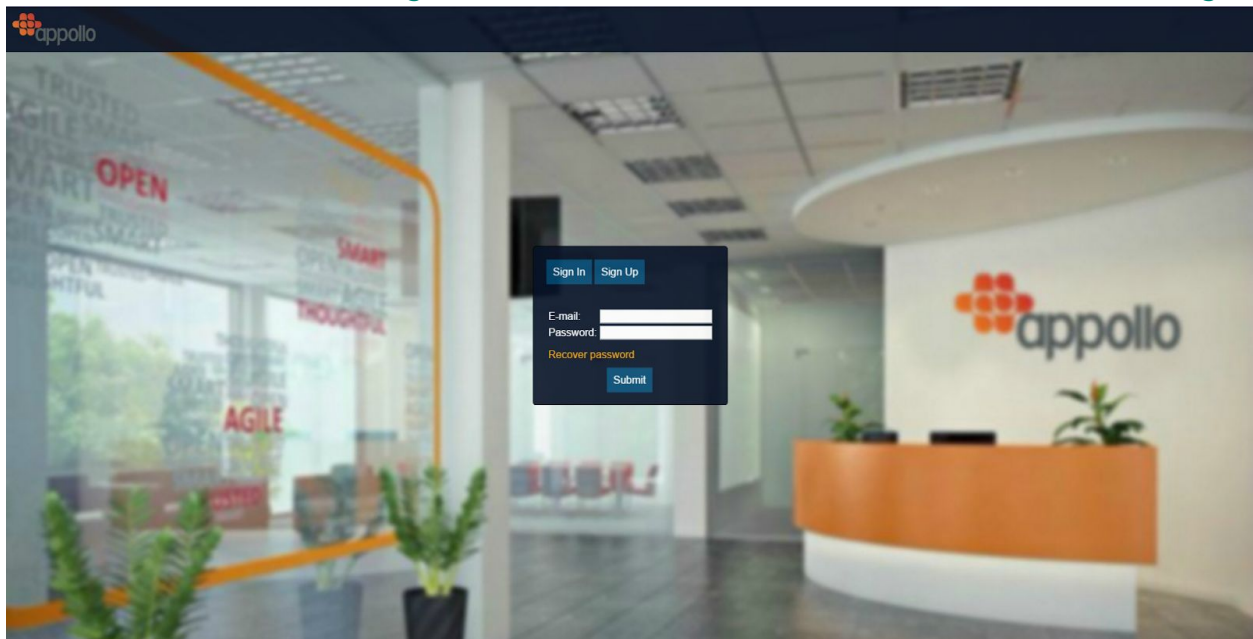
This web application comes with a **login/register** page with a **recover password** option, a page with training materials prompted by login where you can access many topics of interest, which are mostly programming languages, and the other pages of the application, like: **Try it yourself** (live editor), **Classroom**, **Chat rooms**, **Tests**, **Profile**,

Change Password and **Logout**. The unimplemented pages can be easily be either



removed or created, the buttons to them being functional if needed. There is also an **Admin Page**, where the admins can control the users' roles.

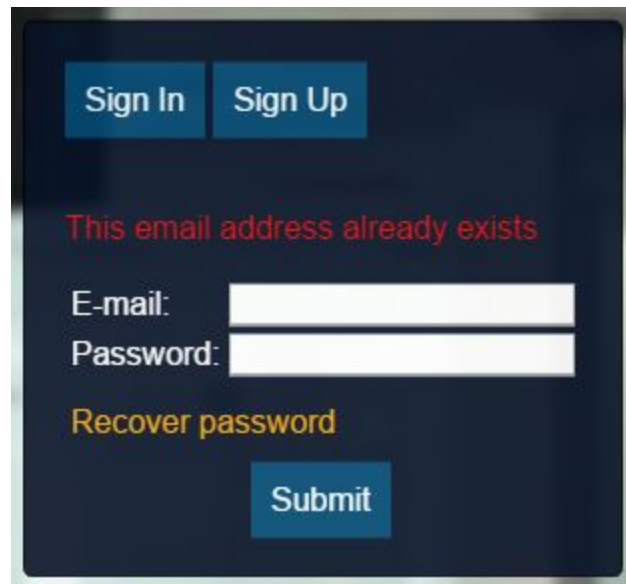
User registration / login



- In order to create a user account for the website, it is needed to fill in the following fields: Name, Surname, email Address, password, City, Address, Phone Number, Country;

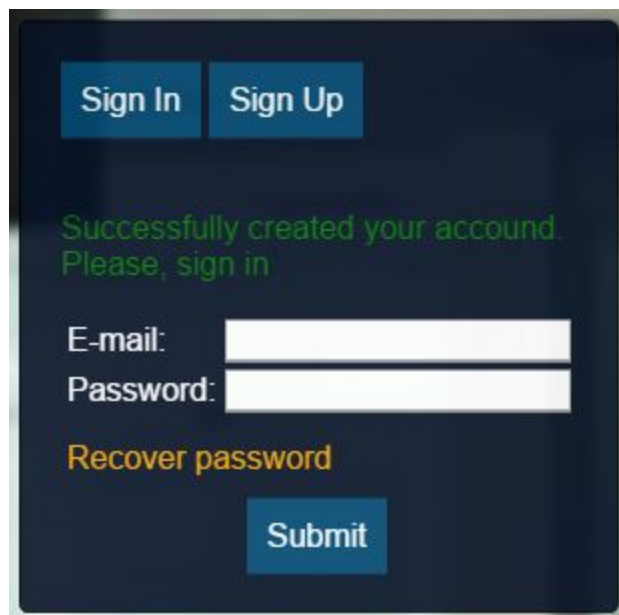
A detailed view of the registration form. It is a dark blue modal box with a 'Sign In' and 'Sign Up' button at the top. Below are input fields for: *Name, *Surname, *E-mail, Phone, Country, City, and Address. Each field has a corresponding input box. At the bottom is a 'Submit' button. Below the button, it says '* are mandatory' and 'The password is sent via email'.

- If not filled in the mandatory fields, an error message is prompted;



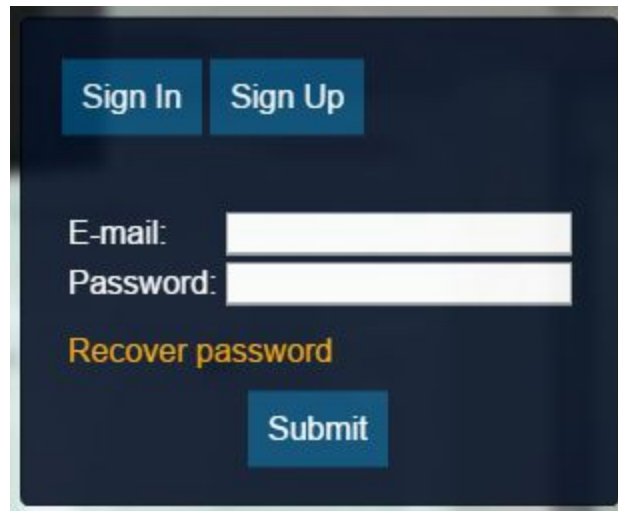
A screenshot of a dark-themed login and signup form. At the top, there are two blue buttons: "Sign In" and "Sign Up". Below them, a red error message reads "This email address already exists". Underneath the error message are two white input fields: "E-mail:" and "Password:". Below the input fields, there is a yellow link that says "Recover password". At the bottom, there is a blue "Submit" button.

- An error message is prompted if the following fields are filled in with the wrong format: email Address, phone Number;
- The following fields are be mandatory: Name, Surname, email Address and password;



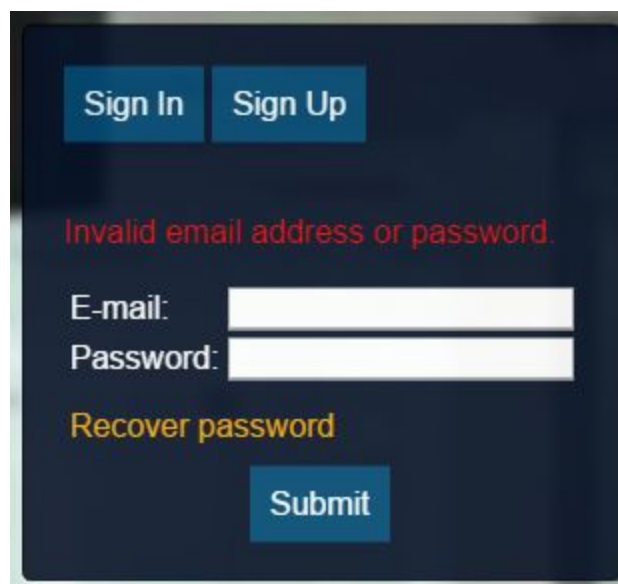
A screenshot of the same dark-themed login and signup form. At the top, there are two blue buttons: "Sign In" and "Sign Up". Below them, a green success message reads "Successfully created your account. Please, sign in". Underneath the success message are two white input fields: "E-mail:" and "Password:". Below the input fields, there is a yellow link that says "Recover password". At the bottom, there is a blue "Submit" button.

- In order to login to the website it is needed to fill in the email address and password;



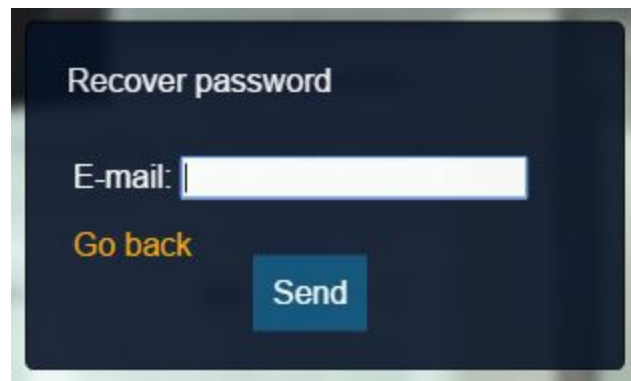
A login form interface with a dark blue background. At the top, there are two buttons: "Sign In" and "Sign Up". Below these, there are two input fields: "E-mail:" and "Password:". Below the input fields, there is a link "Recover password" in yellow text. At the bottom, there is a "Submit" button.

- If one of the mandatory fields is not filled in, a warning message is prompted;
- If filled in the wrong value for the email address and password, an error message is prompted;



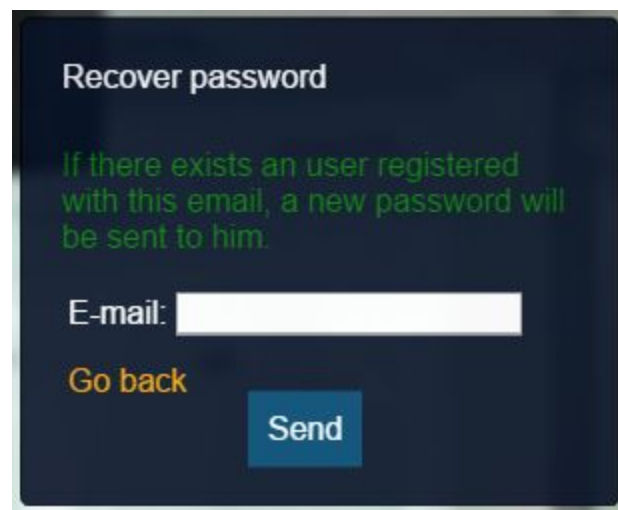
A login form interface with a dark blue background, showing an error message. At the top, there are two buttons: "Sign In" and "Sign Up". Below these, there is a red error message: "Invalid email address or password". Below the error message, there are two input fields: "E-mail:" and "Password:". Below the input fields, there is a link "Recover password" in yellow text. At the bottom, there is a "Submit" button.

- Access to an option to change the password if forgotten;



A screenshot of a web form titled "Recover password". It features a label "E-mail:" followed by a white text input field. Below the input field, there is a link "Go back" in orange text and a blue button labeled "Send".

- The system notifies that it sent an email to the given email address, containing a system-generated password and instructions for password change.

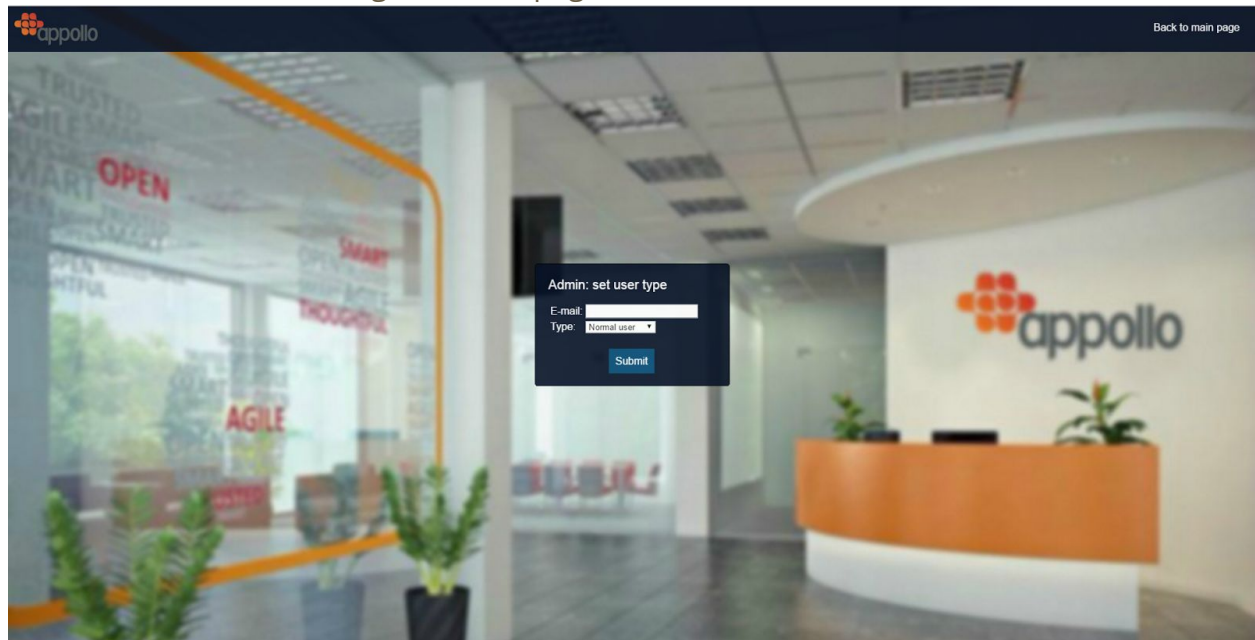


A screenshot of the same "Recover password" form, but with an additional green message displayed above the input field: "If there exists an user registered with this email, a new password will be sent to him." The "Go back" link and "Send" button remain at the bottom.

User roles - trainee, content editor, admin

The user roles are existent in the database, but the restriction are not yet implemented. The Admin Page can be accessed if the hyperlink is known and all users are trainee, at

the moment, in the training materials page.

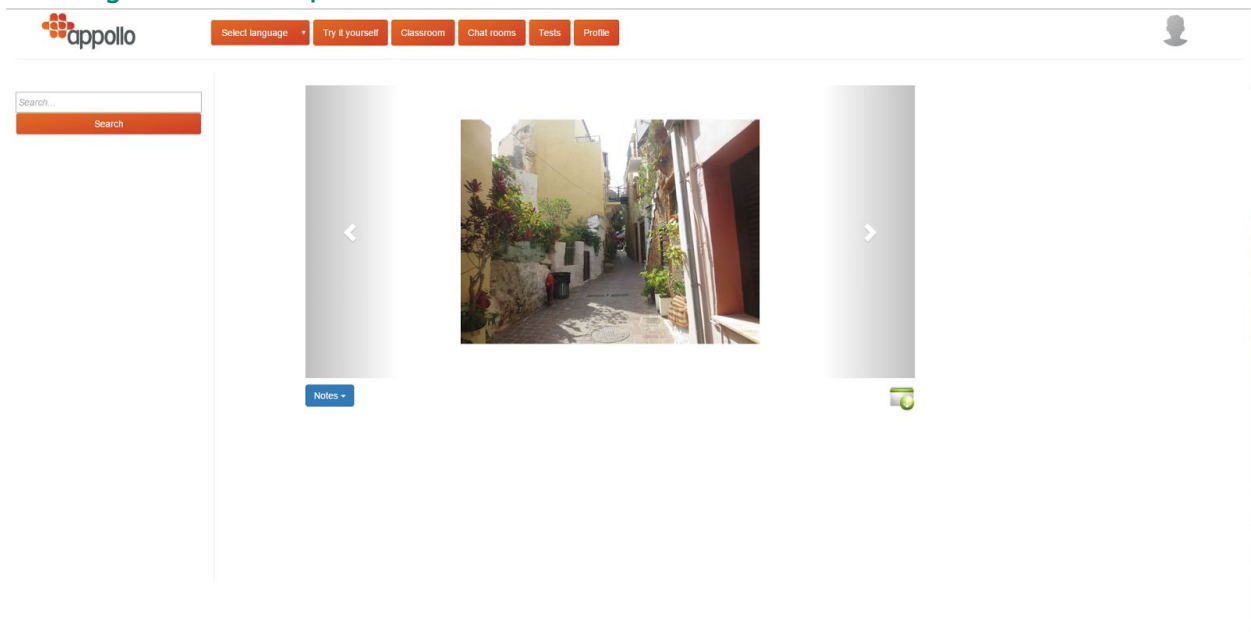


As an admin you can be able to view user rights accordingly:

- In order to assign access rights to users you have access to all registered users;
- For each user you can access an option from the admin page of access rights that can be set;
- User rights consists in: regular user rights and content editor.

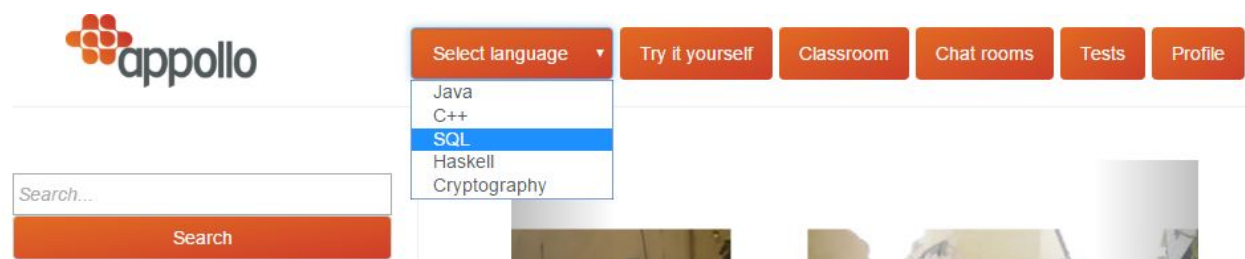
A close-up screenshot of the 'Admin: set user type' modal. The title 'Admin: set user type' is at the top. Below it, the 'E-mail:' label is next to a white text input field. The 'Type:' label is next to a dropdown menu that currently shows 'Normal user'. At the bottom of the modal is a blue button with the text 'Submit'.

Training materials explorer

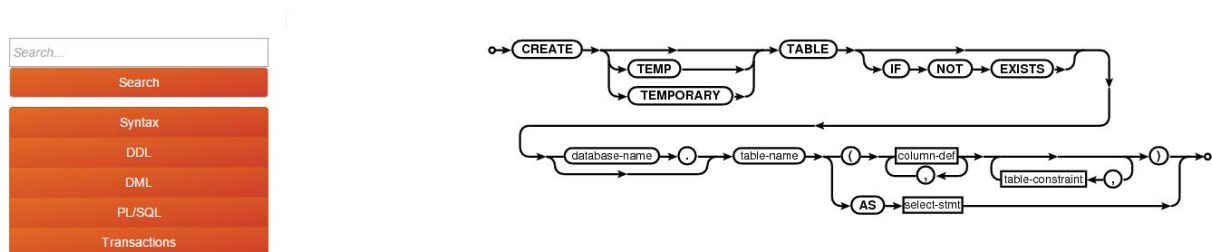


As an existing website user, you have access to training materials so you can learn how to code, and you can search for training materials:

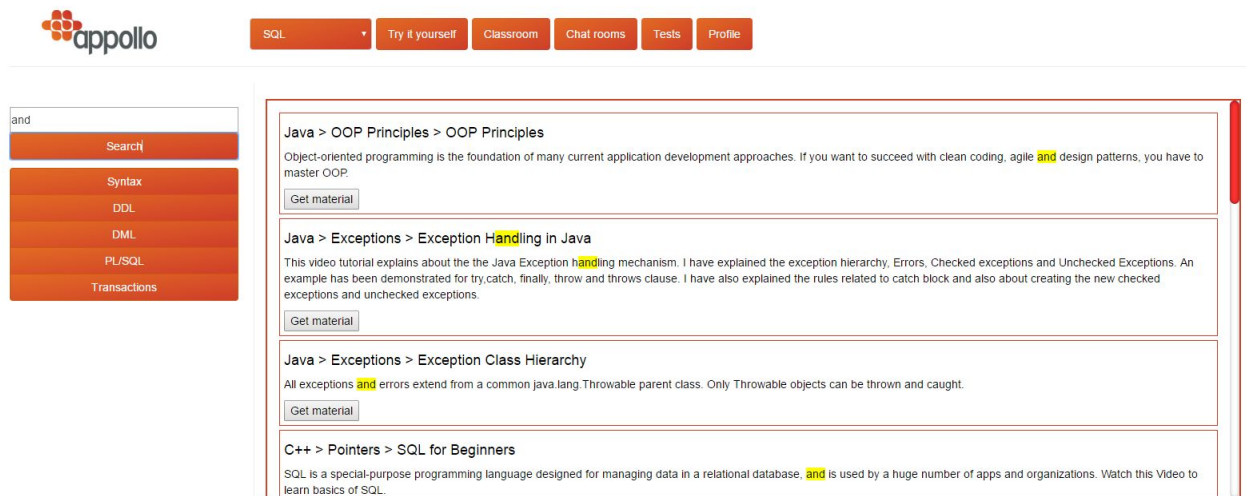
- When accessed the Training menu you can see the training materials directory where a list of training topics is displayed ;



- You can visualize training materials in the following format: ppt., images, videos.
- For each training material you can visualize the title and the content;



- When you access the Trainings menu you are able to search training materials from the trainings directory;



- I can search trainings using simple criteria;
- I can make a simple search by searching for words and phrases;
- All search results are displayed as a list of possible matches, and the search match is highlighted for each search result.

Test your knowledge

Not yet implemented.

Milestones

- I. Creating the base application with all of the technologies/ topics/ materials the administrator deems worthy of displaying on the website. Granting users the ability to create accounts in order to view said materials. Giving users the ability to search through content throughout the page. Giving content creators the ability to add materials to the website.
- II. Creating a live-stream classroom service. Giving the content-editors reign to modify or even delete certain materials that they have rights for. Creating a premium setting for the materials behind a paywall. Creating a testing page

where the user can solve random or content creator generated tests. Allowing the user to create notes regarding materials for themselves.