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Ministère de l'Enseignement Supérieur et de la Recherche Scientifique



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ⵎⴰⵏⵉⵙⵜ ⵜⴰⵎⴰⵔⵜ ⵜⴰⵖⵔⴰⵢⵜ ⵜⴰⵎⴰⵔⵜ ⵜⴰⵖⵔⴰⵢⵜ  
École nationale Supérieure d'Informatique

## User Guide for the Multidisciplinary Project – 2nd Year Preparatory Classes (2CP) PRJP05\_EQ22

### Theme:

Collaborative Application for Sharing and Enriching Data on  
Elements of Algerian Architectural Heritage

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# Contents

Contents.....	2
I. General introduction: .....	3
II. First steps and account access: .....	3
A. Landing page: .....	3
B. Account creation: .....	3
III. Shared pages between all users: .....	6
A. Home page and projects: .....	6
B. Search page: .....	7
C. About us and terms of privacy & policy pages: .....	7
IV. Other pages for different users: .....	8
A. Admin:.....	8
1) Accounts tab:.....	8
B. Normal user: .....	8
1) Profile page: .....	8
C. Professional user: .....	9
1) Profile page: .....	9
2) Notifications: .....	9
3) Add project:.....	10
4) My projects page: .....	11
5) My contributions page :.....	11
6) Opened project page:.....	11

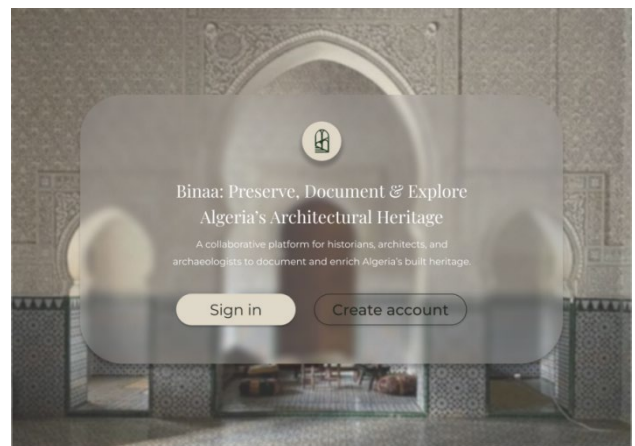
## I. General introduction:

This guide introduces **BinaA**, a collaborative application designed to help users share and enrich data on elements of Algerian architectural heritage. With powerful collaboration tools and a user-friendly interface, BinaA makes it easy to explore, organize, and enrich information about historical sites and monuments. Whether you're a researcher, an architecture enthusiast, or a community member, our platform enables you to contribute to the preservation and promotion of Algeria's architectural heritage. This guide will walk you through the main features of BinaA, allowing you to collaborate effectively and share valuable knowledge.

## II. First steps and account access:

### A. Landing page:

- When the user opens the BinaA website, the landing page is displayed.
- This page introduces the purpose of the platform and provides navigation options.
- From here, users can choose to **Sign in** or to **create an account**.



### B. Account creation:

If you do not already have an account, click on the "Create Account" button, you will be redirected to the registration form where you can sign up as either as:

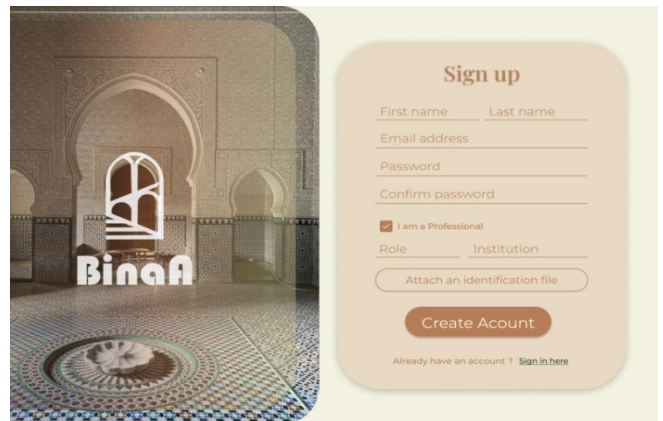
#### ➤ Normal user:

Fill in the required fields:

### ➤ Professional user:

Check the box labeled “Sign up as a professional user”. Additional fields will appear:

1. Role/Job.
2. Institution/Organisation.
3. Upload Proof of Profession (e.g., work ID, license, certificate a supported file like PDF or image).

The image shows a mobile app interface for the BinaA application. On the left is a background image of a mosque interior with a large archway and the BinaA logo. On the right is a 'Sign up' form with fields for First name, Last name, Email address, Password, and Confirm password. There is a checkbox labeled 'I am a Professional' which is checked. Below this are fields for Role and Institution, and a button to 'Attach an identification file'. At the bottom is a 'Create Account' button and a link for 'Already have an account? Sign in here'.

An email verification code will be sent to your Gmail inbox, make sure you have good internet connection, then wait until admin approval or rejection of the account creation request.

### C. Sign in page:

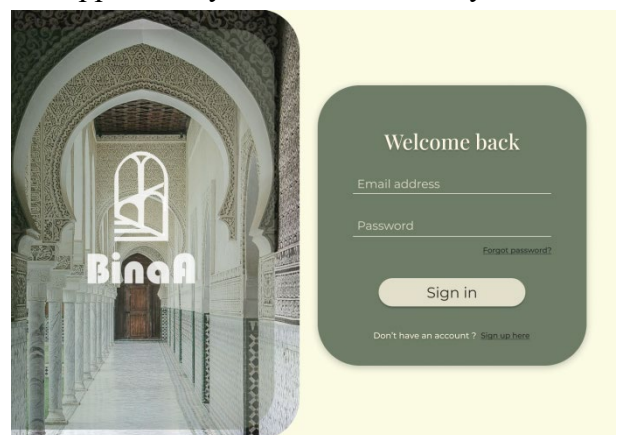
If you already have an account, simply enter your email and password to sign in.

**Please note:** if your account has not yet been verified or approved by the administrator, you will not be able to access the system. Make sure you have completed the email verification process and allowed sufficient time for administrative approval.

If you wish to sign in as an admin, use the following credentials:

**Email:** binaateam.dz@gmail.com

**Password:** ptmffqf3

The image shows a mobile app interface for the BinaA application. On the left is a background image of a mosque interior with a large archway and the BinaA logo. On the right is a 'Welcome back' sign-in form with fields for Email address and Password. There is a link for 'Forgot password?'. At the bottom is a 'Sign in' button and a link for 'Don't have an account? Sign up here'.

There are three types of users in the BinaA application:

1. **Admin:** he has a full control over the platform; he can manage accounts by accepting or rejecting them.
2. **Normal users (or visitors):** they benefit from the basic features like discovering articles, reading annotations and searching for projects of their interest.

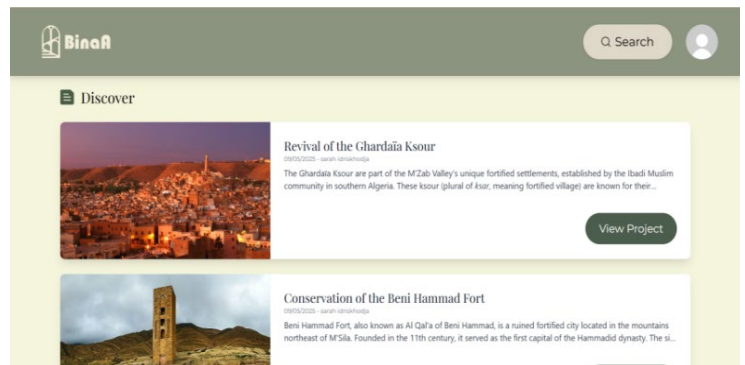
3. **Professional users (or experts):** they have a professional account that indicates their level of expertise, with an identification file verified by the Admin. Additionally to all the features available to a normal user, they can create projects, request to edit other experts' projects to contribute, accept or reject edit requests on their own projects, declare and resolve conflicts, and annotate sections with the ability of deleting their own sections and projects.

### III. Shared pages between all users:

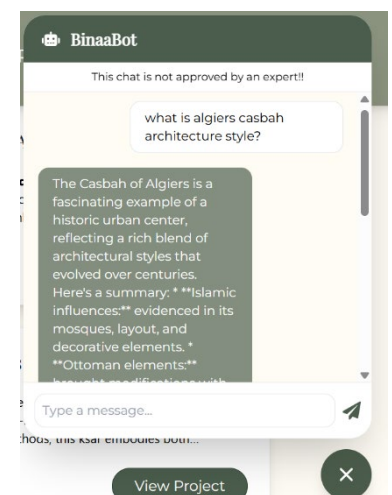
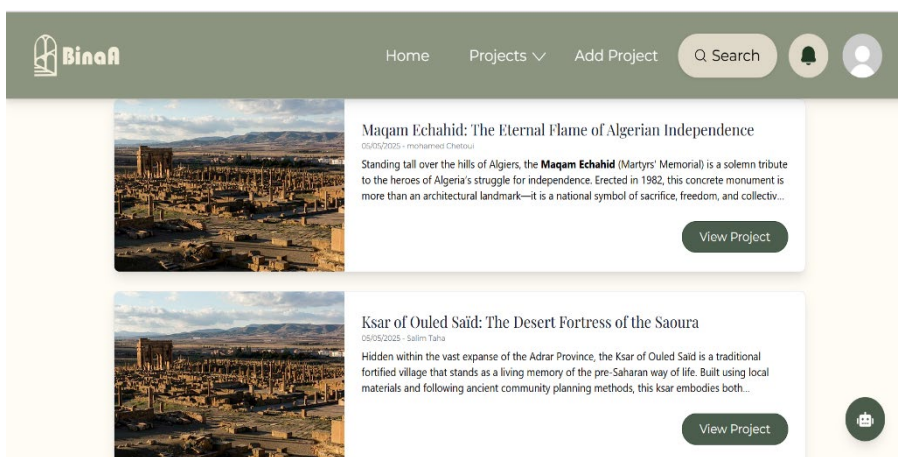
#### A. Home page and projects:

When a user signs-in, a discover page is displayed, showing all the projects, they might be interested in or want to explore. The user can view a project by clicking on "View Project." After clicking, they can see the project details: a cover picture, the project title date and author and color-coded sections along with a small toolbar on the side. The toolbar allows to:

1. Download the project as a PDF or an HTML file.
2. See the contributors for each section of the project; by clicking on the contributor, you can see their profile.
3. Navigate to different sections.
4. See the annotations of the project; if the annotation is cropped, you can click on it for full display.



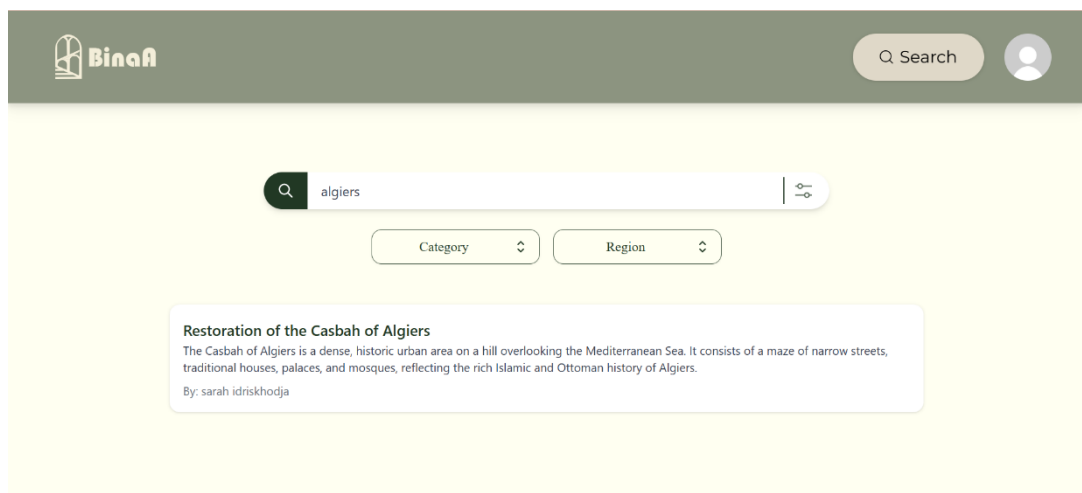
On the bottom right corner of the home page, you can find a robot button; by clicking on it you can open and use BinaA integrated AI chatbot.



**Important note:** when using the website for the first time, it is clear that the home page will be empty since there are no users to add new projects! Follow this user guide to learn how to create new projects.

## B. Search page:

All users can search for an Algerian monument, another user's name to see their projects, a project title, or any other keywords to. Additionally, they can use the available filters: one for category (architecture, history or archeology) and the other for region (all wilayas of Algeria).



## C. About us and terms of privacy & policy pages:

By scrolling down, the user can find the footer where he can click on “About us”, “Terms of privacy and policy” or “help” buttons that provide information about the BinaA website and a user guide.



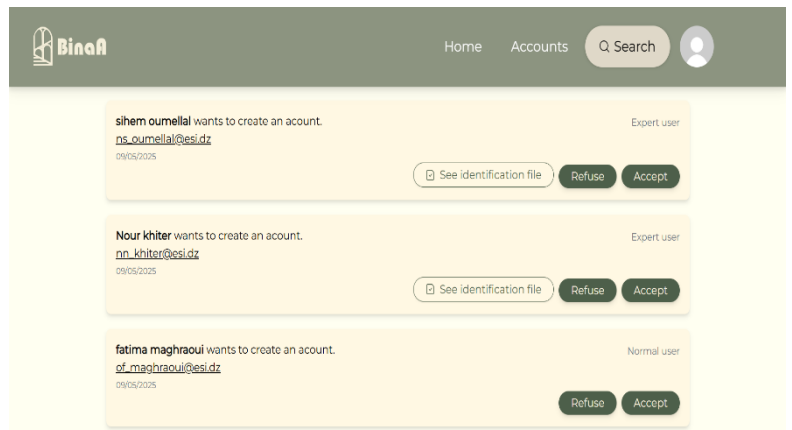


## IV. Other pages for different users:

### A. Admin:

#### 1) Accounts tab:

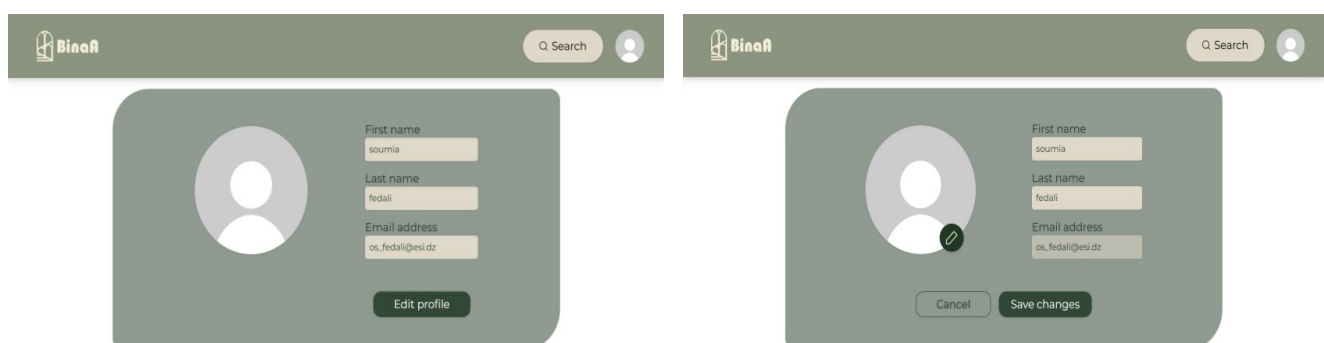
After signing-in using the admin account, you can find the “accounts” tab in the navigation bar on the top of the page; by clicking on it, the admin can find all users account creation requests, the admin has the right to accept or reject user account creation requests. If the user is a professional, the admin can view their identification file. If approved, the user gains access to the platform. If rejected, a “Your request was rejected” page will be displayed when the user attempts to sign in.



### B. Normal user:

#### 1) Profile page:

By clicking on the rounded profile picture on the top right of the page, a regular user can view their profile and they can edit it by clicking the "Edit Profile" button. They can add a profile picture and change their first and last name. However, they cannot change their email address.

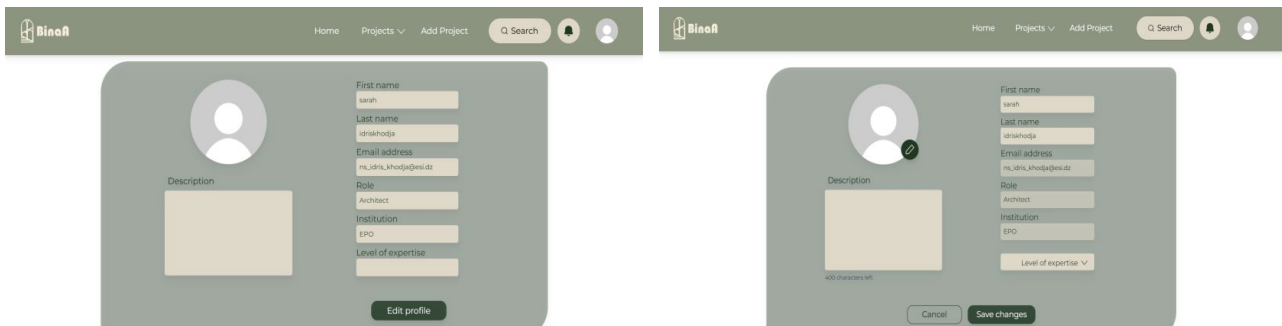




## C. Professional user:

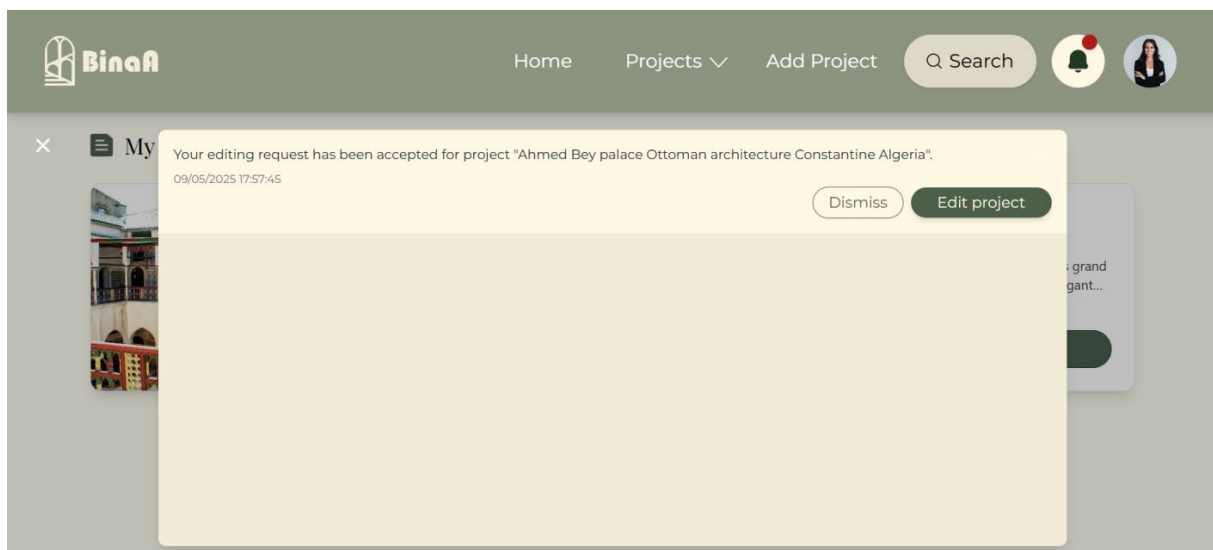
### 1) Profile page:

By clicking on the rounded profile picture on the top right of the page, the user can view and edit their profile. They can update their first name and last name, add a description and add their level of expertise by selecting one of the following: Junior, Senior, or Master. However, they cannot change their email address, their role or institution.



### 2) Notifications:

Right next to the profile page button, you can find the notifications button. The professional user can receive and respond to notifications about edit requests, approved or rejected edit requests, as well as annotations added to their project. They can also receive conflict notifications from other professional users.



### 3) Add project:

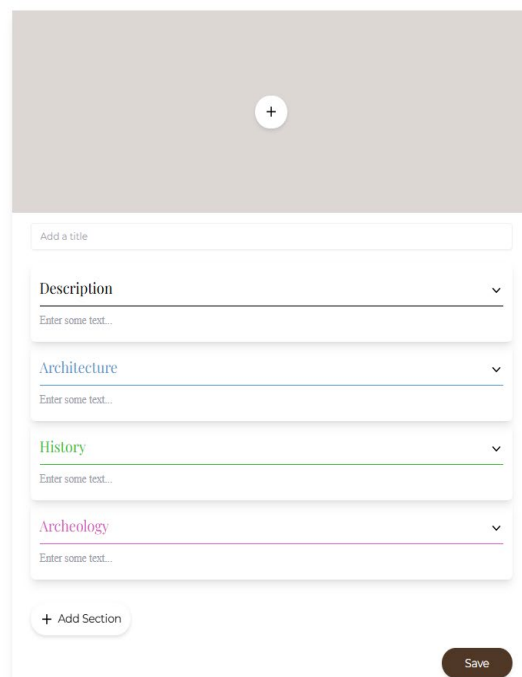
When the professional user clicks on "Add Project" in the navbar, the editor appears where they can add a new project. The editor is composed of different sections:

- Mandatory sections for creating the project: cover picture, title and description.
- Not mandatory sections: architecture, history and archeology, in addition to the optional “Other” section.

After clicking on one of the sections, the toolbar appears in the top of the page and the user can insert text, images, videos, tables, links, references and apply different text formatting options such as: text color, text size and text alignment...

**Important note:** if the user is the owner of the project, they can add any section and have full control over the project, however, if the user is a contributor to the project, they can only add sections related to their domain of expertise or “Other” section if available, the other sections are not clickable or editable, follow along to discover how to contribute to an existing project!

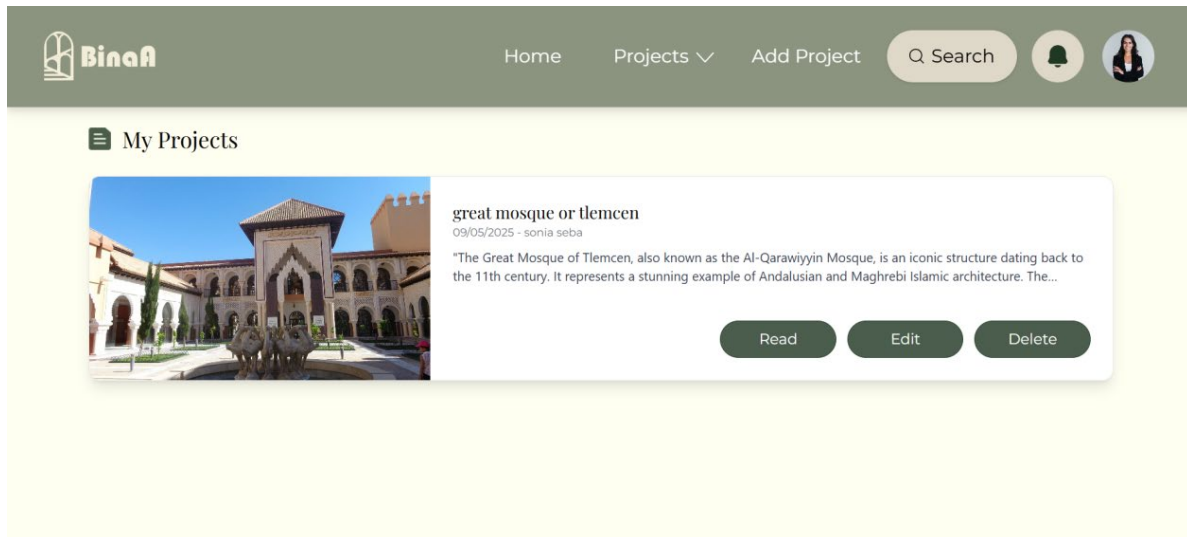
To create the project, the user can click on the save project on the bottom of the page.



The screenshot displays the 'Add Project' editor interface. At the top is a large grey rectangular area for a cover picture, featuring a small white circle with a plus sign in the center. Below this is a form with several sections: a text input field labeled 'Add a title'; a 'Description' section with a dropdown arrow and a placeholder 'Enter some text...'; an 'Architecture' section with a dropdown arrow and a placeholder 'Enter some text...'; a 'History' section with a dropdown arrow and a placeholder 'Enter some text...'; and an 'Archeology' section with a dropdown arrow and a placeholder 'Enter some text...'. At the bottom left of the form is a button labeled '+ Add Section', and at the bottom right is a dark brown 'Save' button.

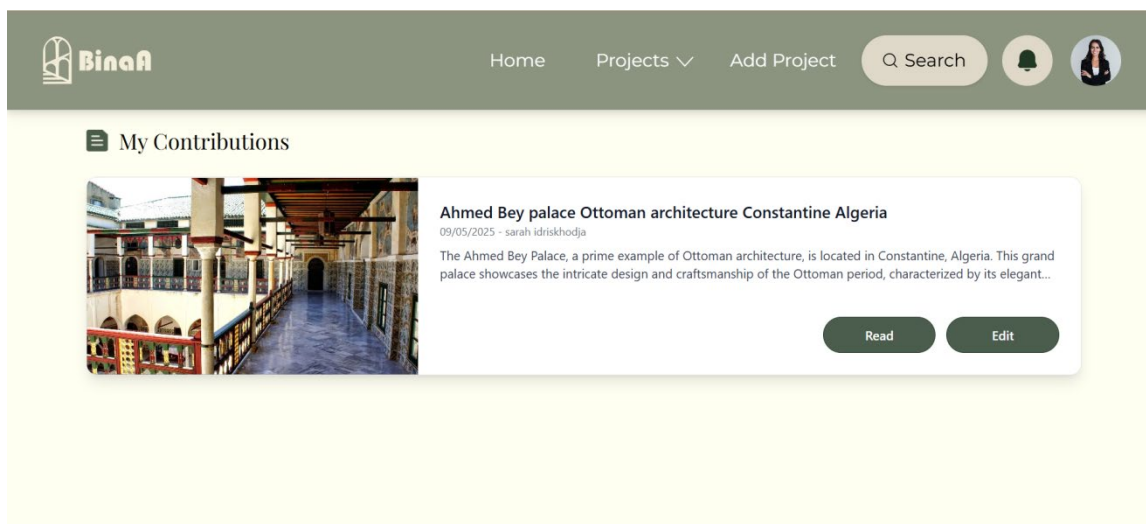
#### 4) My projects page:

After clicking on "Projects" in the navigation bar, two options appear: "My Projects" and "My Contributions." When the user clicks on "My Projects," they can see the projects they have created they can edit their project, delete it or view it.



#### 5) My contributions page :

When the user clicks on "My Contributions," they can see the projects they have contributed in -by adding a section-, they can view it or edit their section.



#### 6) Opened project page:

After clicking on “read” in “My Projects” page or “My Contributions” page, the opened project page appears where:

- The project owner has full control over the content and can delete any section as needed or edit the project from the options.

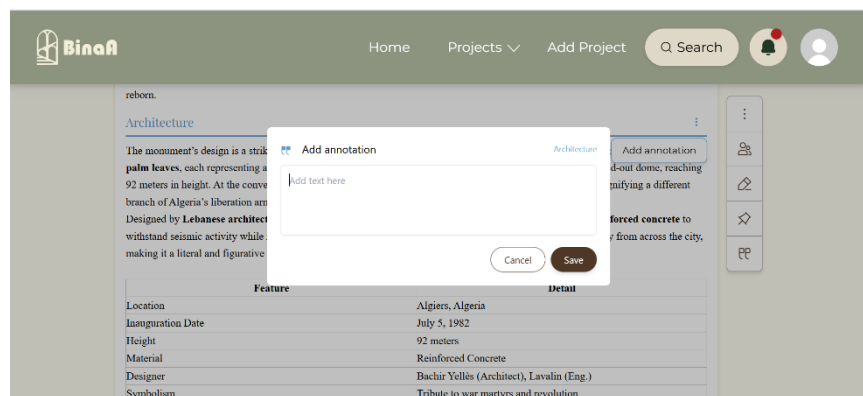
#### Architecture

The monument's design is a striking blend of **brutalist modernism and symbolic traditionalism**. It features **th** **palm leaves**, each representing a pillar of the Algerian Revolution. These leaves curve upward to form a hollowed-out dome, reaching 92 meters in height. At the convergence stands an **eternal flame**, surrounded by three statues of soldiers, each signifying a different branch of Algeria's liberation army: the infantry, navy, and air force.

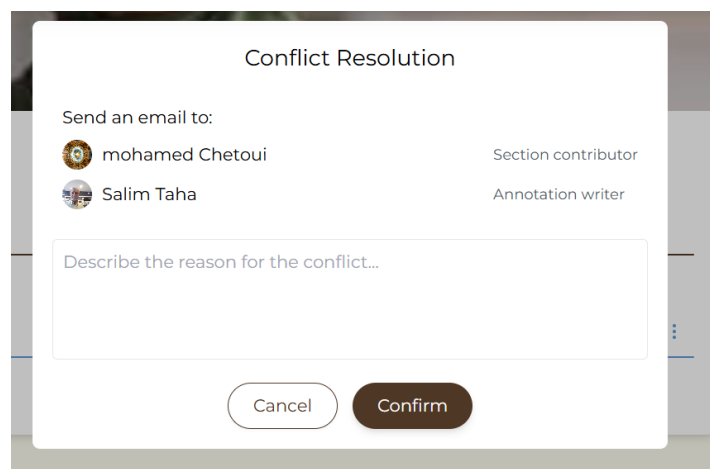
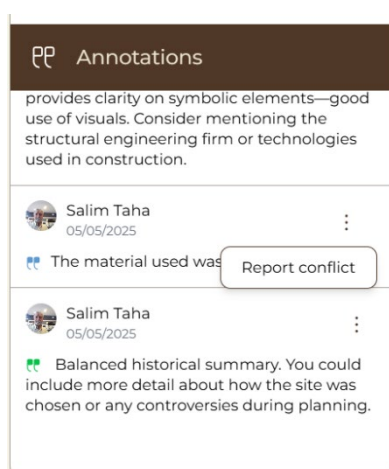
Add annotation  
Edit section  
Delete section

- Section writers (contributors) can edit their own section after clicking on “Edit section” from the section button.

- Professional users can freely add annotations to the project from the three-dot button on top of each section, annotations are visible to other users. Each user can modify or delete their own annotations at any time, allowing for flexible and collaborative feedback.

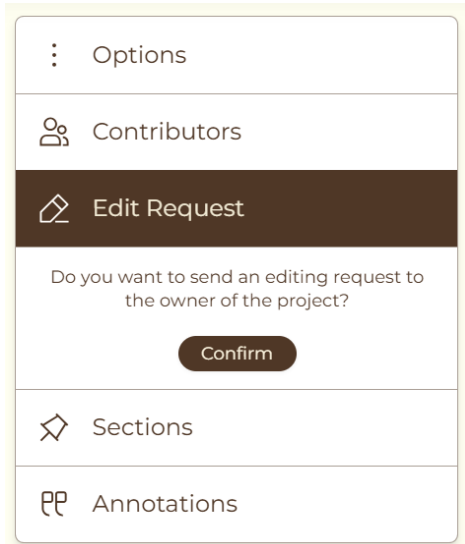


- To report a conflict the professional user can click on the three-dot button next to each annotation, if a user submits conflicting annotation with the section content, the system automatically generates a conflict notification to help resolve discrepancies. An email is automatically sent to the owner of the project, the section writer and the writer of the annotation to help them discuss and solve their conflict.



- Professional users, who do not have direct editing rights, can submit edit requests to the project owner from the sidebar's "Edit request". The owner can either accept or reject these requests from "Edit requests" button of the sidebar; if accepted, the contributor receives a notification and can begin editing the project within the allowed scope.

➤ from the requester's perspective:



from the project owner perspective:

