



Project:

STUDY CONTROL SYSTEM FOR UNIVERSITIES
DIPLOMADA #1100266
MILESTONE 2 COMPLIANCE REPORT
Web portal and API documentation

1. GENERAL INFORMATION:

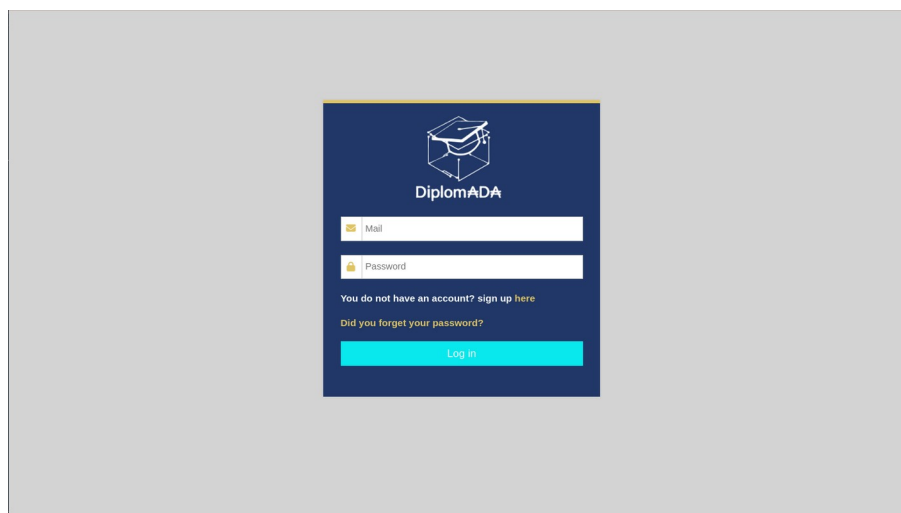
- Name of the Web Portal: DIPLOMADA
- Web Portal URL: [http://192.168.0.11:8000/]
- Objective: Document functionalities and work sequence of the web portal and API of the MVP of the Study Control System for Universities DIPLOMADA.

2. WEB PORTAL FUNCTIONALITIES:

- The DIPLOMADA web portal offers in this first version, all the functionalities committed in milestone 2, it allows the registration of users by establishing roles of the functionalities that they will have when entering the system (administrator, analyst, student, professor and applicant). It also handles all student management by allowing them to request registration and upload the necessary documents to the system to formalize it. The higher education institution may manage all validation, acceptance and issuance of student registration processes. This installment presents the first four modules that include carding wallet management from the same portal.

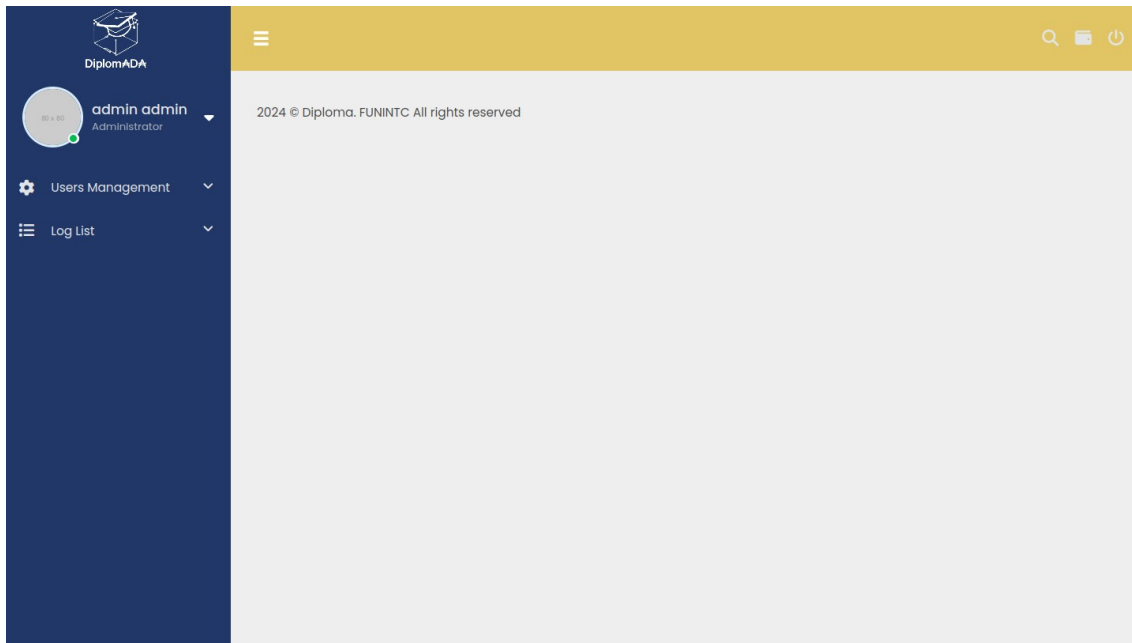
Module 1 User Administration:

- Presents an interface to enter the system, requesting email and password, if you do not remember the password you can recover it in the respective option and if you do not have a registered account it allows you to start your registration.

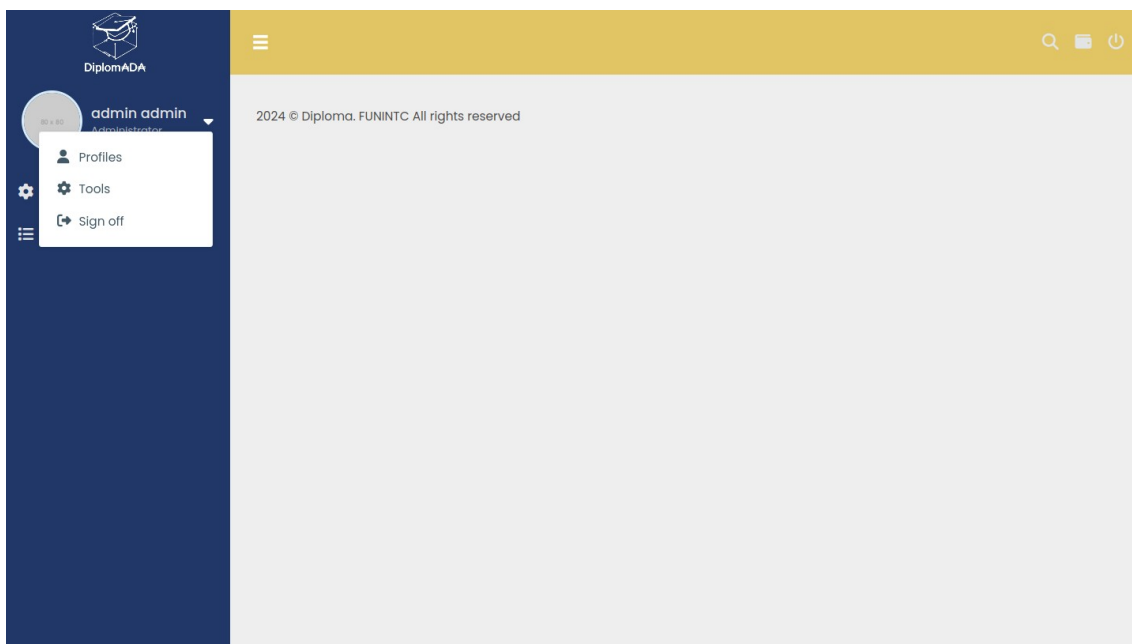


- User authentication: allows you to verify if the user is registered in the system, meeting all the required requirements.


- User Registration:** enables an interface for new users to register in the system, enabling controls for uploading personal data, user name, passwords and acceptance or not of Terms and Conditions. (Notification via email to the User).



- Password recovery:** offers password recovery or change in case the user has forgotten it, sends verification to the user's main email.
- Users with an administrator role** can enter the main administration interface, allowing them to observe and modify the different profiles incorporated in the application.



It also supports review of lists of registered users.



admin admin
Administrator

Users Management

Log List

Search

Logout

Power

User List

Showing 1 to 4 of 4 entries


Search:

N°	Name and surname	Identification card	Sex	Mail	Telephone	Profile
1	admin admin	00000001	Masculine	admin@admin.com	041212345678	Administrator
2	Test Analyst Test	00001125	masculine	analista_prueba@prueba.com	04123354847	Analyst
3	New test user test user	11223344	masculine	prueba2@prueba.com	13321354213	Analyst
4	Manuel Gonzalez	00112233	masculine	preuba10@gmail.com	02115142332	Analyst

Previous1Next

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Also enable an option for applicant consultation.



admin admin
Administrator

Users Management

Log List

Search

Logout

Power

Applicant Consultation

Showing 1 to 5 of 5 entries

Search:

N°	Name	Last name	Identification card	Sex	Address	Mail
1	Orestes	Gutierrez	18814102	masculine		orestesm20@gmail.com
2	Orestes Miguel	Gutierrez Mendoza	12345678	masculine		correo_prueba@gmail.com
3	Orestes Miguel	Gutierrez Mendoza	18814101	masculine		orestesm201@gmail.com
4	orestes one	gutierrez one	11111111	female		prueba2@gmail.com
5	Victor Mario	Perez	11223344	masculine		prueba20@prueba.com

Previous1Next

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Module 2 upload Documents (Title and certified notes):

- Uploading Documents to the System: presents an interface to upload documentation for the user who wishes to enroll in third and fourth level studies.

Registrar Documentos

Título Universitario

Notas Certificadas

Drag and drop a file here or click

Solo se permiten archivos con un máximo de 2MB en formato pdf.

Guardar

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- Document verification (interface and approval or rejection process): Enables interface only for administrator users to review the authentication of documentation uploaded by the user.

Verify documents for NFT creation

Show 10 entries

Search:

No.	Name	Last name	Identification card	Sex	Mail	Qualification	Grades	Approve - Reject
1	Orestes	Gutierrez	18814102	male	orestesm20@gmail.com	See Title	See notes	<input checked="" type="checkbox"/> <input type="checkbox"/>
2	Victor Mario	Perez	11223344	male	proof20@proof.com	See Title	See notes	<input checked="" type="checkbox"/> <input type="checkbox"/>
No.	Name	Last name	Identification card	Sex	Mail	Qualification	Grades	Approve - Reject

Showing 1 to 2 of 2 entries

Previous 1 Next

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3. API FUNCTIONALITIES, INTEGRATION OF THE CPI-30 STANDARD:

This is done through interaction with the network of services available in blockfrost, integrating the lucid tools as a process of interaction with the wallet. Below is a brief description of the process:

Make the connection with the wallet API via Lucid+CiP30.

Parameters:- portfolio_name : string -> Unique identifier of the student in the system. - config: object -> Object with configure parameters, we can read which network will be used (mainnet, preview, preprod) and which Blockfrost ProjectID.

Results: API object based on lucid library connected to the wallet by CiP30.

This interaction process was carried out using the typescript programming language, the dependency manager for FullStack NPM Tools and the Laravel framework. The connection was made through the NAMI wallet, the use of the plugin to carry out the interaction is mandatory, ergo, its installation in the browser is required for its operation. And transactions are signed in a sandbox environment provided by the platform itself.

This is a fragment of the code used in the development, the functionality to connect the application with the wallet:

```
export const connect = async () => {  
  const api = await window.cardano.nami.enable();  
  await lucid.selectWallet(api)  
};
```

Note

Note: The construction of the APIS where the development of smart contracts and nfts is contemplated is contemplated for subsequent milestones.