ISEL
INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

SCAR

A Blockchain based approach for academic registry

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May 2024

01

Introduction

What’s our objective

May 2024

Introduction

Due to the lack of resources to validate academic records, DiGo Certify was born.

DiGo Certify is a multiplatform application for verifying the authenticity of academic certificates posted by an entity on a blockchain.

02
Technologies

May 2024

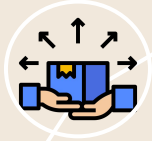
Technologies

Web3

Smart Contracts

Blockchain

Solidity



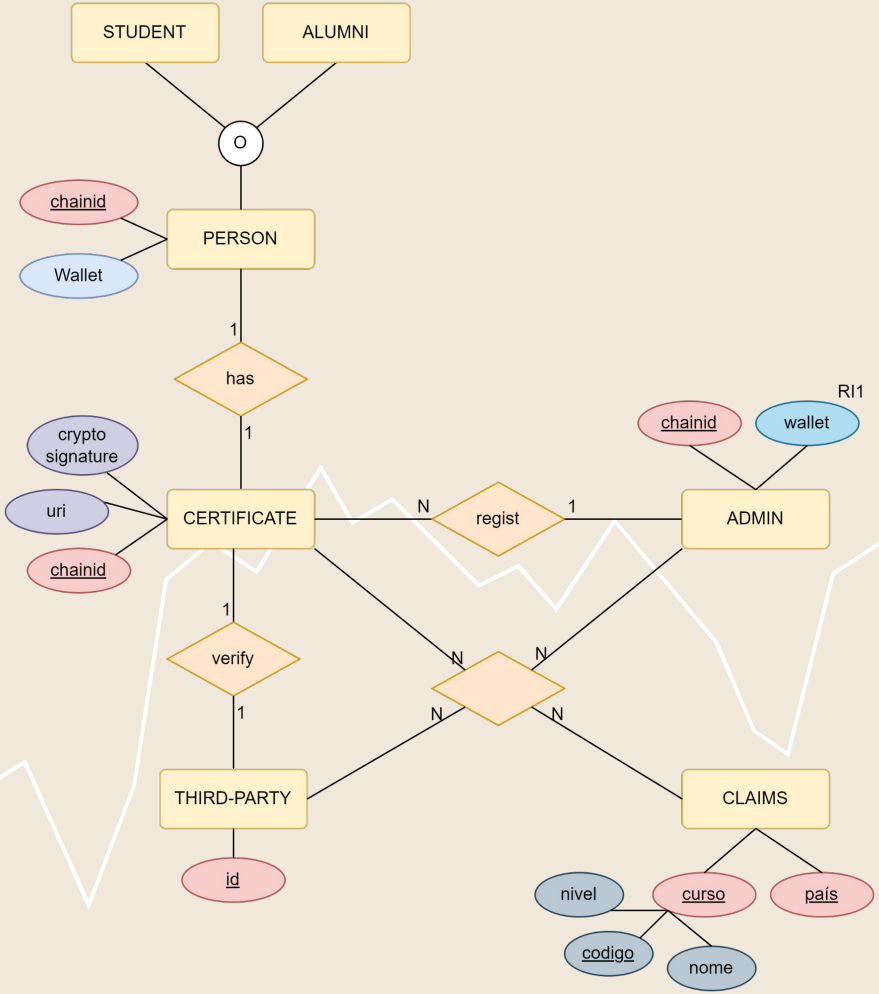
Fully Distributed

Expo React Native

May 2024

03
Data Model

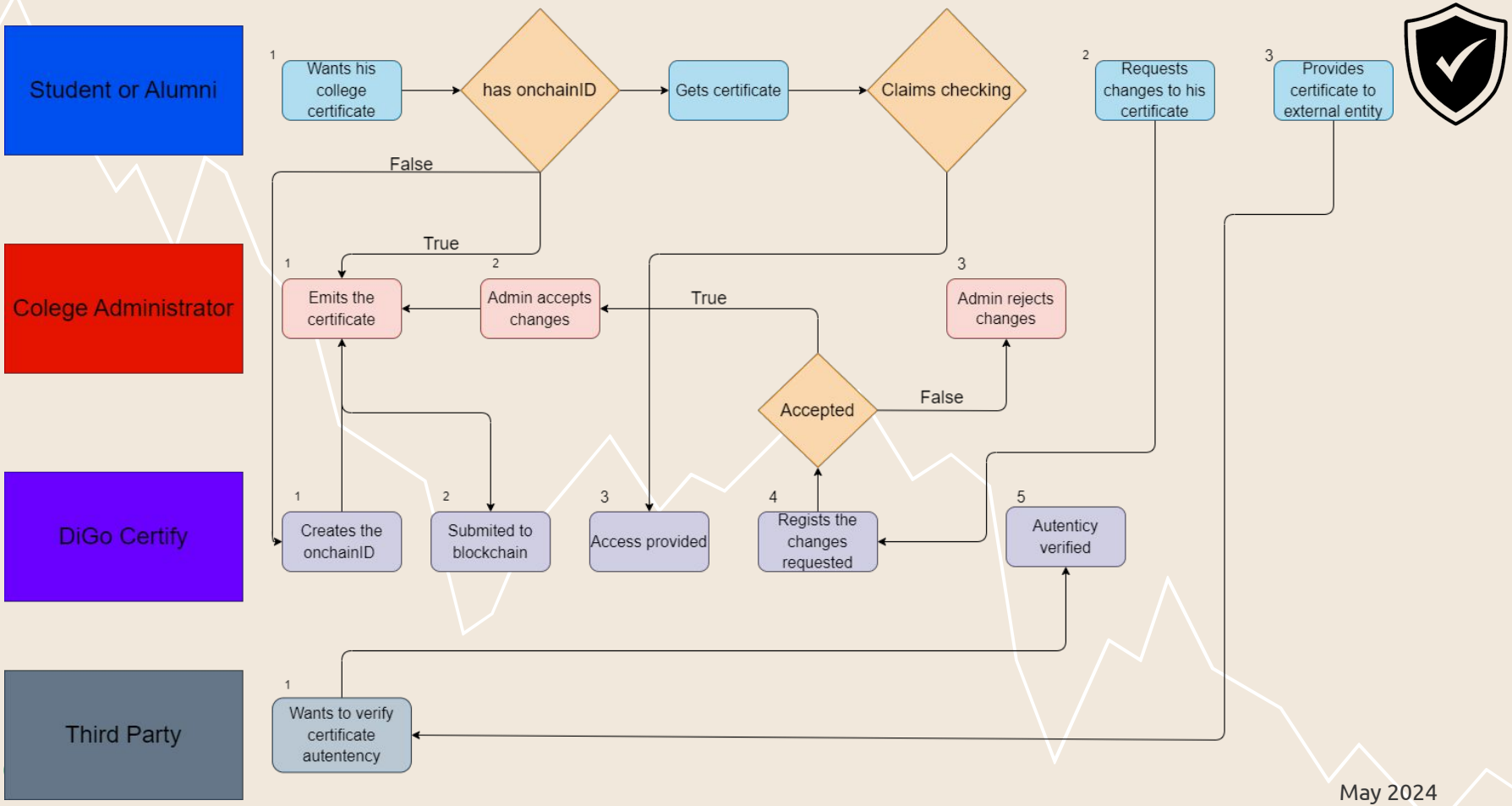
May 2024


STUDENT
ALUMNI
O
chainid
Wallet
PERSON
1
has
1
crypto signature
uri
chainid
CERTIFICATE
N
regist
1
RI1
chainid
wallet
ADMIN
1
verify
1
N
N
N
N
THIRD-PARTY
CLAIMS
id
nivel
curso
país
codigo
nome

04

Architecture View Model

May 2024



https://en.wikipedia.org/wiki/4%2B1_architectural_view_model

05
Progress

May 2024

Solidity and React Native Learning

Feb 20th to Mar 13rd

TREX and ONCHAINID Learning

Mar 1rd to 5th April

More Solidity and App Mockups

5th April to 19th April

App screens implementation

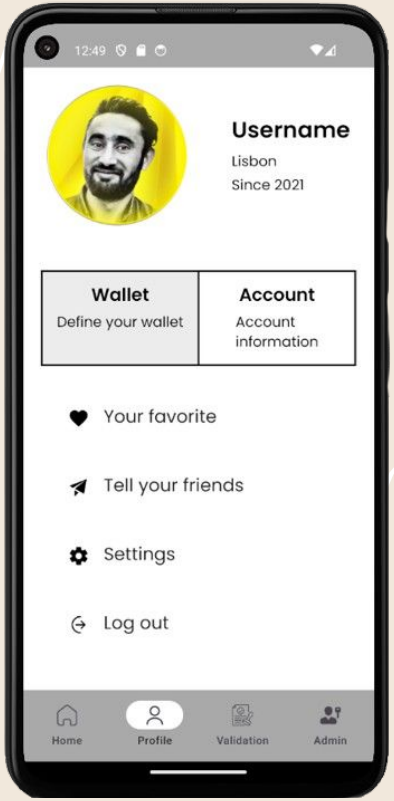
19th April to 7th May

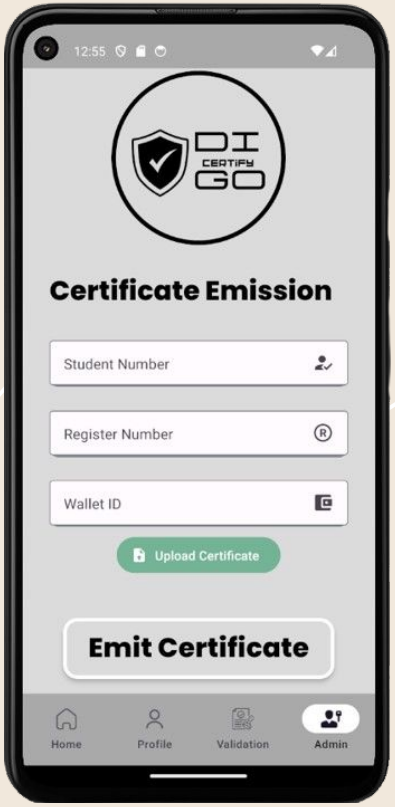
Beta Report development

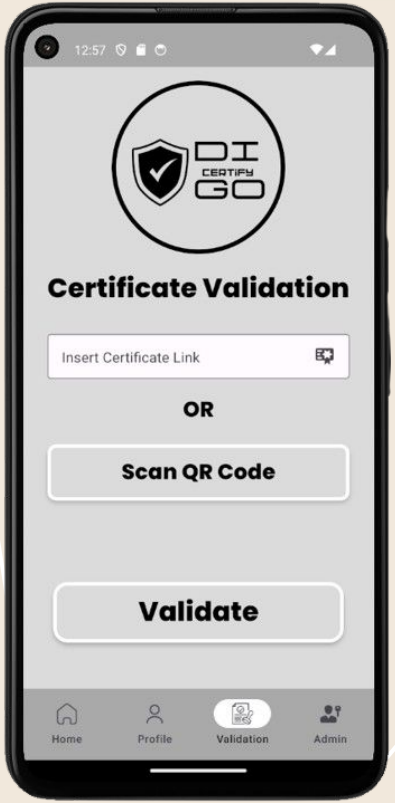
30th April until now

May 2024

Screen Examples







06
What's next

May 2024

Next Objectives

Start Date	Duration	Description
April 30	4 weeks	Report for the beta delivery
May 17	2/3 weeks	Implementation of the Smart Contracts
May 20	2 weeks	Improvements on screens

THANKS!

Do you have any questions?
Diogo Rodrigues
Gonçalo Frutuoso

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