

Software Requirements Specification

for

Stu-This-Card

Version 1.0 approved

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Organization: Stu-This-Card

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Purpose:

For a lot of students in Mexico, studying for a subject can be a very difficult task. That happens because the lack of organization of the students and that implies several things like not making notes at class, or not reviewing important topics when they need to. Also, another thing is that they have all this information they need, but it is a mess, or it is incomplete. This app pretends to make all this process easier, with an app that ease the elaboration of study cards. This study cards will be easy to organize, read and make.

App's perspective:

This project starts with the initiative of students from the career Computational Systems from Tecnológico de Monterrey campus Guadalajara. The author of this project is Pablo Muñoz Haro and we, Dominic Márquez, Itzel Cordero, Sara Ruiz, Eduardo Merino y David Cabello are developing it. When he listened to our idea and how we could integrate it with his idea, he found the propose very appealing. After this, he gave us access to his code for us to modified it.

Product Functionality:

The app Stu-This-Card will provide a study environment with the study cards technique. This technique is about doing a little resume with the most important information about a specific topic and write it down in a little study cards simulated in this app. The users will be able to create, edit and delete the study cards, and accommodate them as they wish in the section 'Card Collections' and share them with another users. Also, they will be able to attach images to the study cards to help them visually.

Classes and characteristics:

For the data management and the use conceptualization of the app, we will use the next classes:

- "Card" class: Represents the study card data. This class will have the card content of its front and its reverse, and the attached images.
- "User" class: Represents the user data. This class will contain the name, password, and user ID.
- "Collection" class: Represents a collection of cards, and the relation between the user that created it.

Operation environment:

This app will run using stack from MEAN, for this reason, having a simple serving hosting for the project will work perfectly, it will run with an URL from whatever domain. The Angular version we are using is 6 and Node's is 8.12, another version beneath them, will not work. The operative system is different, as long as you have a compatible browser with it. The development of the project must be with Angular, Nodejs, MongoDB and Express downloaded and running correctly in your computer.

Design restrictions and implementation:

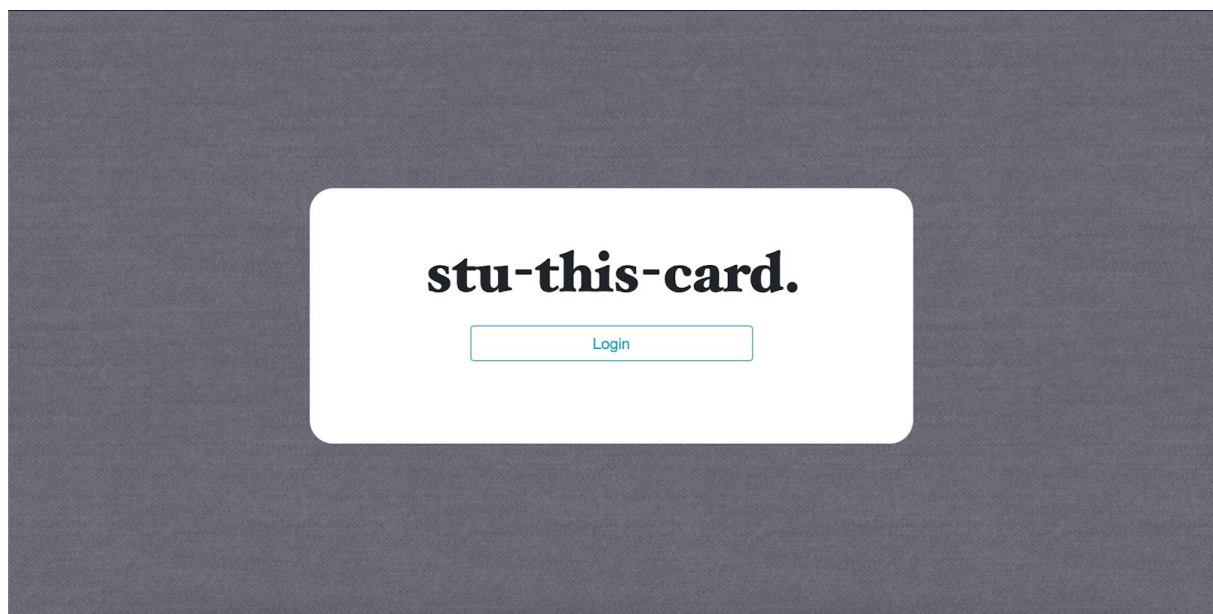
The design from the front and back can only contain one image per side, that means you can only have 2 images at most. The users will be able to share complete collections and not individual cards, this is to guarantee the consistency of the data and maintain a design that we can scalate later.

INTERFACE REQUIREMENTS

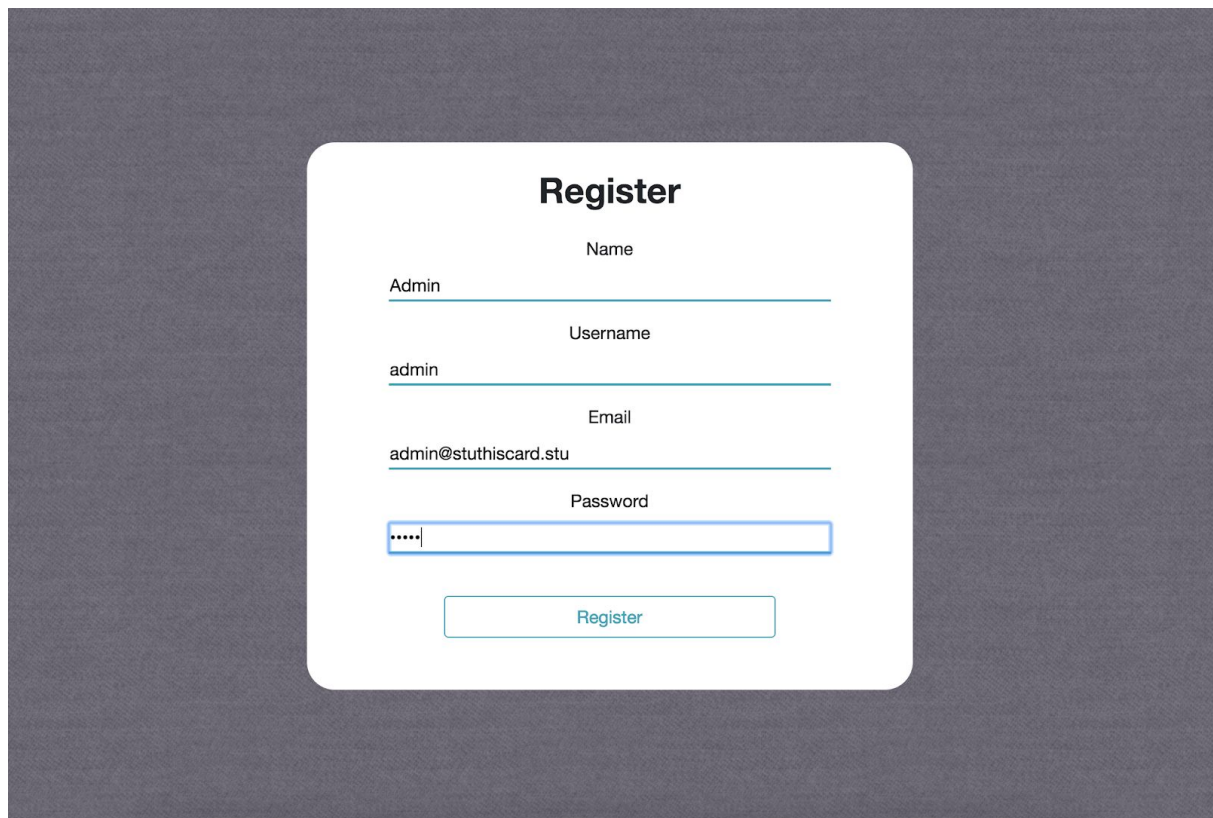
User interfaces:

This platform will have the following screens:

1. **Welcome Screen:** this is the first screen that the users will see. It's just the title and a button that redirect to the login.



2. **Login Screen:** in this screen the user type its username and password in order to have access to the platform.

A screenshot of a 'Register' form on a dark grey background. The form is a white rounded rectangle with the title 'Register' at the top. It contains four input fields: 'Name' with the value 'Admin', 'Username' with the value 'admin', 'Email' with the value 'admin@stuthiscard.stu', and 'Password' with masked characters '....'. A blue 'Register' button is at the bottom.

Register

Name
Admin

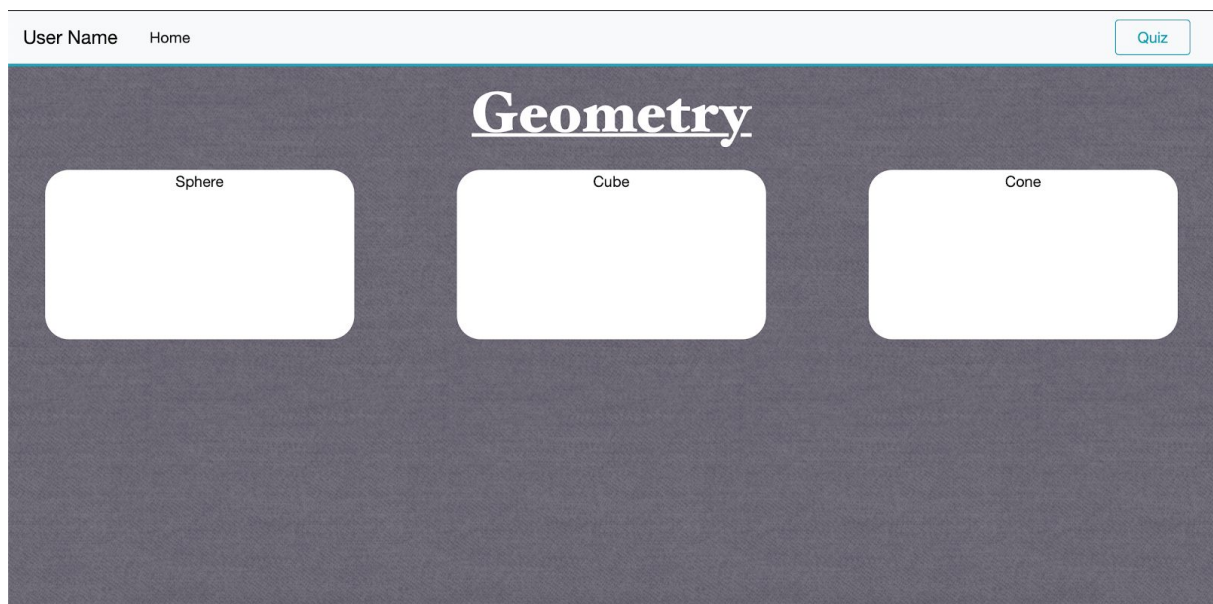
Username
admin

Email
admin@stuthiscard.stu

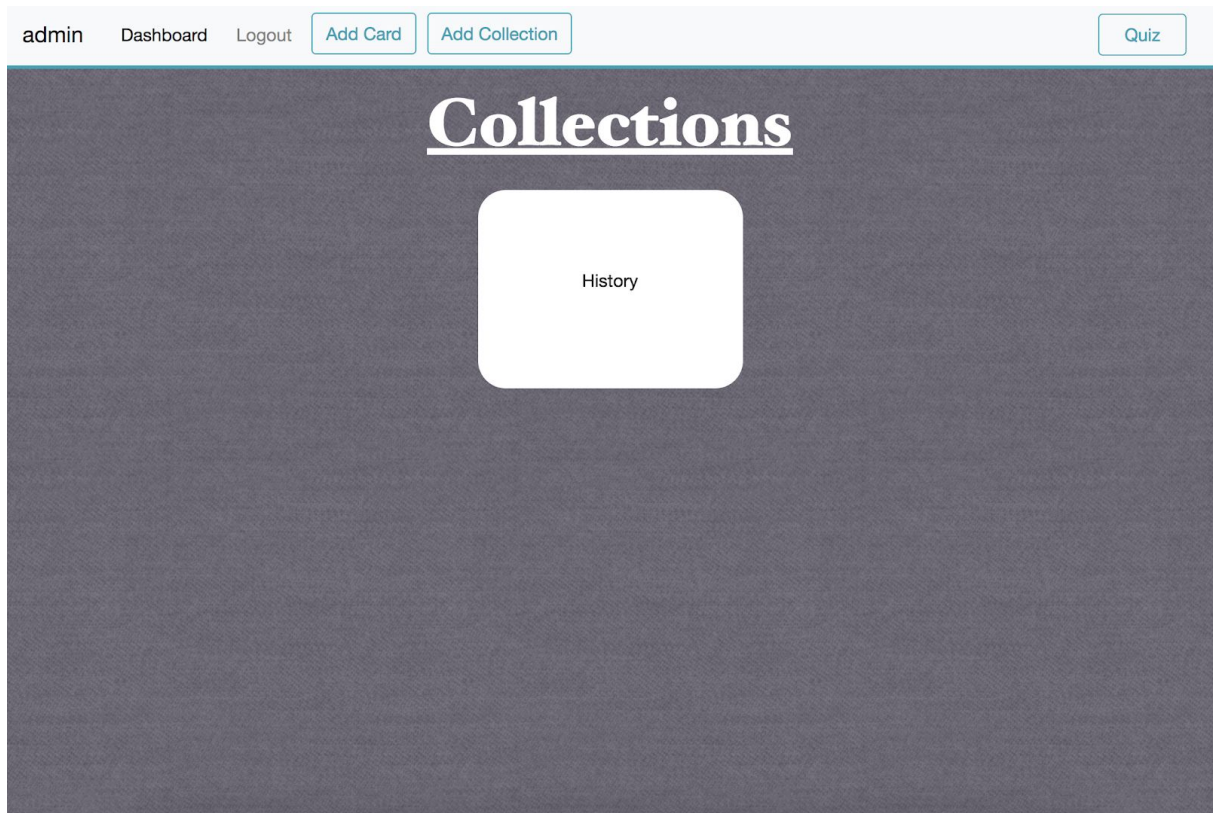
Password
....

Register

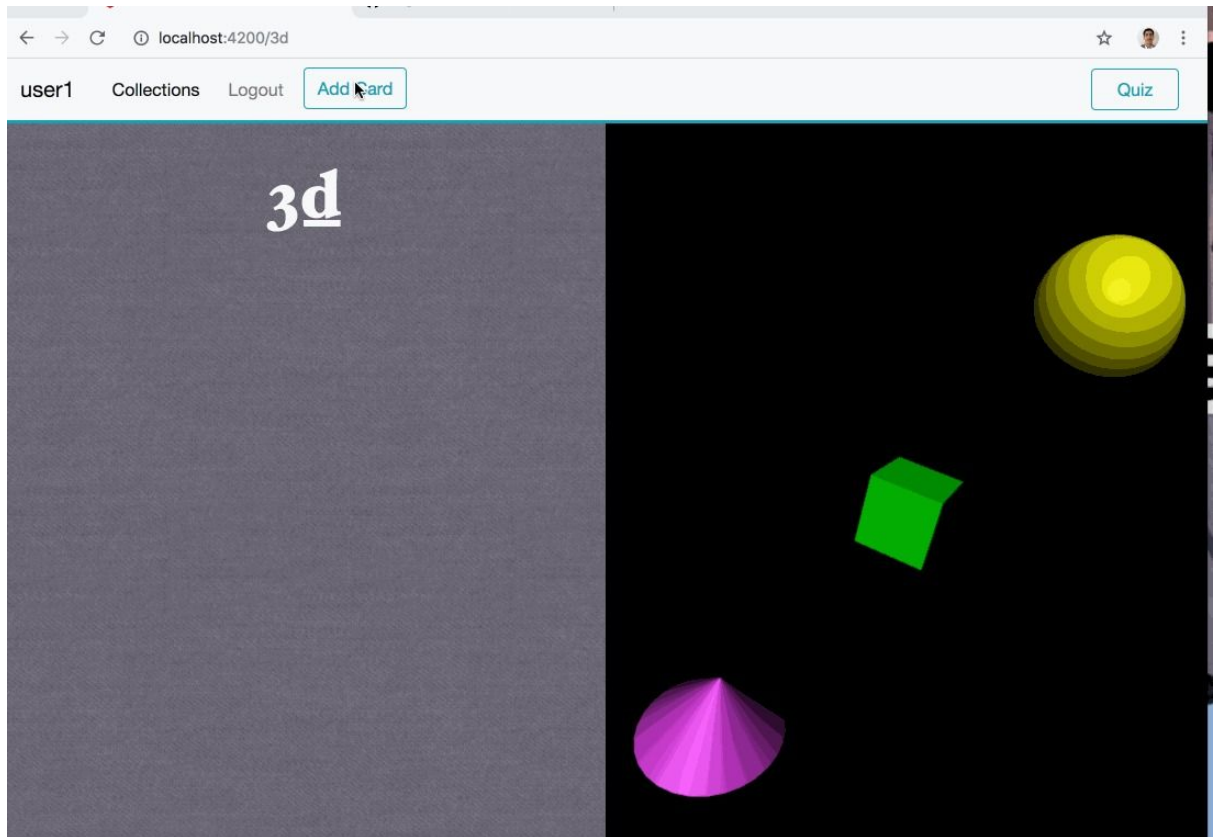
3. **Main Screen:** the first screen when logging in. You can see the collections and you can access each collection with a click.



4. **Collections:** the page with the cards. Each card has a front and back. You can swipe it by clicking the card.



5. **Graphic Collection:** this screen shows us how will a card collection would look with 3D elements. The left panel will have the card collection. While, the right panel the 3D models which make a simpler example of the collection.



6. **Add Collection:** screen to add a new collection. At the top we have a field to type the collection name. The cards are created editing the front and back.

Add Card

Front text

George Washington

Back text

U.S. first president

Add card