Final implementation report

Systems III - Information systems 2022/2023

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URL to git repository: https://gitlab.com/sis31/sisprojectfinal

I used Gitlab for this project and I cannot make it public. I took screenshots of the commits(bottom of document). I can show them to you also on the day of the examination.

URL to the demo video of all functionalities:
https://youtu.be/lpViEELRgngh

URL to application: http://88.200.63.148:3025/

Used database: https://db4free.net/phpMyAdmin/index.php?route=/database/structure&db=sis3_89211034

- **DB name:** sis3_89211034
- **username:** lucasjak
- **password:** lucaslor

I used an external database, because the mysql database from the server didn't work in a proper way. The database I've created is the same as the one described on the seminar.

Functionalities:

1. The user can create his own account and register into the system by entering his name, username, email and password. The services that the application offers can be used just by registered users.
2. As written in the above the user must have an account. The user can log in with the username and password to be able to use the services like accessing all the information about the different teams and sport surfaces.
3. The systems allows the user to select the sport he prefers between football, basketball and volleyball. Everytime he selects one sport, the sport surfaces regarding that sport will appear visible to him.
4. A user can create and insert a new surface into the system by giving its general information as the surface description, the name of the location, the latitude and longitude values of the location and the sport.

5. The user is able to see all the teams that are currently available and is allowed to enter inside a team. The user has also the opportunity of creating a new team by entering the name of the team and the number of players. A team cannot have more than 15 players.

List technologies that were used and highlight why you chose them:

I used React Native and NodeJS for each functionality. On the second part of the tutorials I really got interested into React Native, so I decided to continue the work that I've done on the tutorials and personalize as I wanted. Besides of that I already used (briefly) React and NodeJS in the HCI elective course.

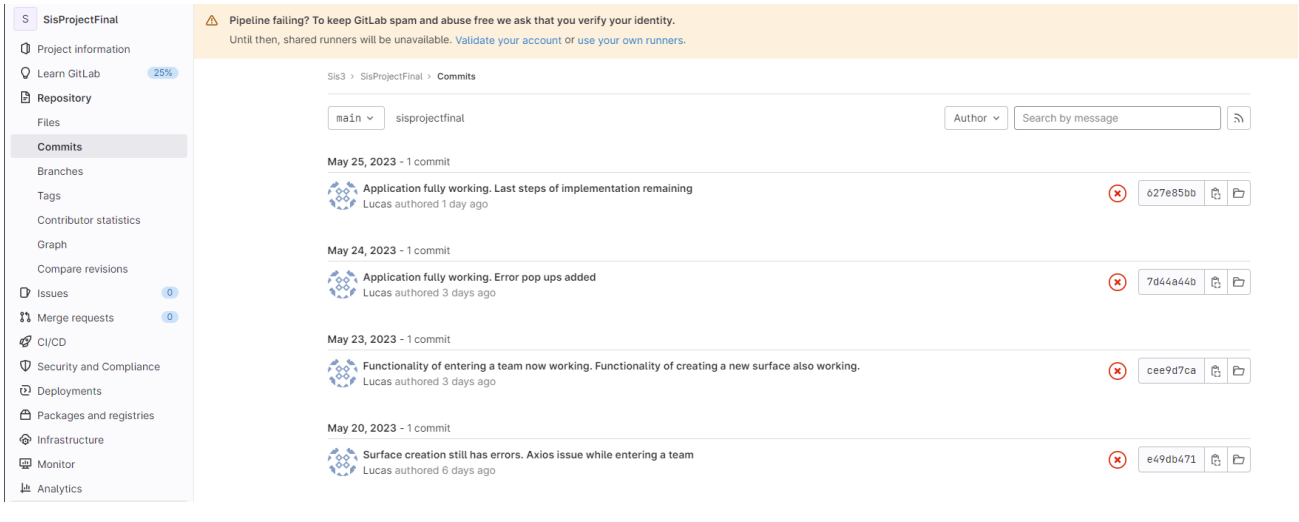
Highlight the most difficult part of implementation and argue why this was the case:

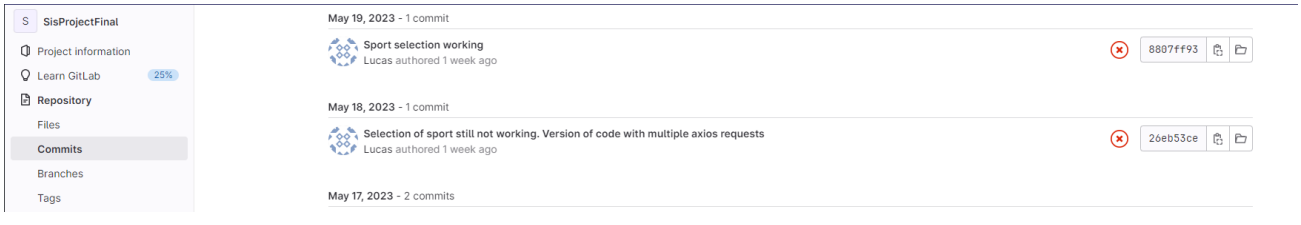
The most difficult part was actually understand and correct the errors that I collectes during implementation, since React Native is quite similar to HTML and JS but at the same time very different. I got into problems when "executing" different queries (INSERT, UPDATE, etc) on multiple different database tables.

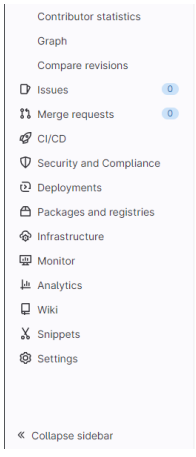
Instruction for use:

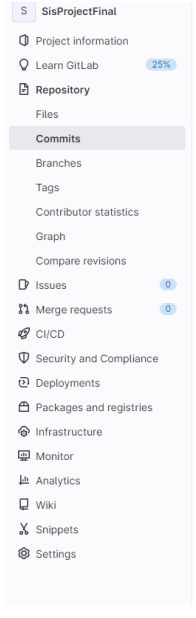
I tried to make the user interface to be understandable and easy to use. On navigation bar above all the "views", when logged in it appears a button with current user, but when clicked it does nothing. The demo video was taken on my cell phone that's why it seems that the buttons are not clicked.

GIT COMMITS:









Working on sport selection; Error on changing state from another view
Lucas authored 1 week ago — 529bf505

Surface representation template works. Redesigning needed. Work to do on AddSurface
Lucas authored 1 week ago — c9fcc7c6

May 10, 2023 - 1 commit

Login function completed. Surface creation in progress(database problem)
Lucas authored 2 weeks ago — 57747f9f

May 06, 2023 - 1 commit

Function for adding a team
Lucas authored 3 weeks ago — 27ad2a3e

May 03, 2023 - 1 commit

CreateTeam-template added. AddSurface-template added.
Lucas authored 3 weeks ago — a056f7b6

Apr 26, 2023 - 1 commit

Changing style of login/signup templates
Lucas authored 1 month ago — 25fac21f

Mar 26, 2023 - 1 commit

IS application pattern finished. Ready to be personalized
Lucas authored 2 months ago — 52eaa967

Mar 18, 2023 - 1 commit

Joining the front-end with the back-end
Lucas authored 2 months ago — bda1f93d

Mar 14, 2023 - 1 commit

Setting Repo up to date
Lucas authored 2 months ago — 1ba43ca1

Mar 09, 2023 - 1 commit

back-end foundations done. DB connection
Lucas authored 2 months ago — d9b7b830

Mar 08, 2023 - 4 commits

Database connection. PROBLEM - error with access
Lucas authored 2 months ago — c717b21d

Modules installed
Lucas authored 2 months ago — eafc2ccc

Preparing repo
Lucas authored 2 months ago — e49f2cff

Initial commit
Lucas Jakin authored 2 months ago — 7ae4756b