....SoftwareEngineering Final Report - Group 4....

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Abstract

In this present era, social media attracts people to present their views [**?**] has a lot of impact in our lives. We all are well aware of the fact that social media has a lot of influence over people's mental Health like depression, dementia, schizophrenia etc. Although the usage of social media platform like Facebook, Instagram , twitter and software engineering together is not well understood, these mechanisms influence the software development practices. Software developers use and integrate into a wide range of tools ranging from code editing web-based portals . In our research project we would like to discuss about software engineering practices implemented in our project "...give the name of your project..." . We used resourced data, "...front end..." and "...back end..." in our project. Using this data gives the way into utilizing the machine learning models and can be extended to deep learning methods such as CNN, AE [**?**] and in real live scenarios such as twitter analysis. We used the most compatible architectural model, which is "...architectural model..." for our project.

1 Introduction

A common dilemma for people of all walks of life, when it comes to our health or diet, is the ability to stick to a routine. Most people can admit that committing to daily exercise is quite difficult. This becomes especially more difficult with daily responsibilities such as jobs, school, caring for children, etc. It can also be easier to order some takeout rather than cook a healthy meal at home after a long day of work. But, our team at *helth inc.* decided we could make some changes to this common dilemma and offer an easy way to keep track of our overall health. With Mushu, a user can alter their habits and improve themselves all while making healthier decisions. Our features range from diet and exercise planning, to sleep scheduling, to monitoring appointments, so our audience can choose to access our site for a single reason or for health-related help in multiple areas. Mushu is tailored to the user, and can also recommend exercise programs, diets, and daily sleep quotas. With the ability to enter their personal goals, i.e. target weight, stick to a keto diet for 6 months, or get 8 hours of sleep every night, Mushu can help any user achieve these goals by making the process interactive, challenging, and rewarding.

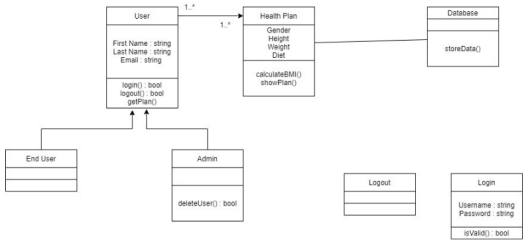
Proceedings of the 24[th] International Conference on Artificial Intelligence and Statistics (AISTATS) 2021, San Diego, California, USA. PMLR: Volume 130.

2 Design Measures and Patterns

First level headings are all caps, flush left, bold, and in point size 12. Use one line space before the first level heading and one-half line space after the first level heading.

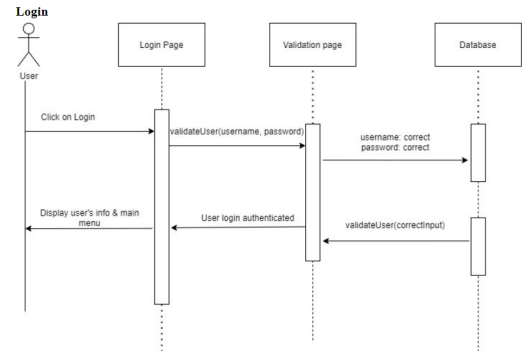
2.1 Class Diagram

Second level headings are initial caps, flush left, bold, and in point size 10. Use one line space before the second level heading and one-half line space after the second level heading.

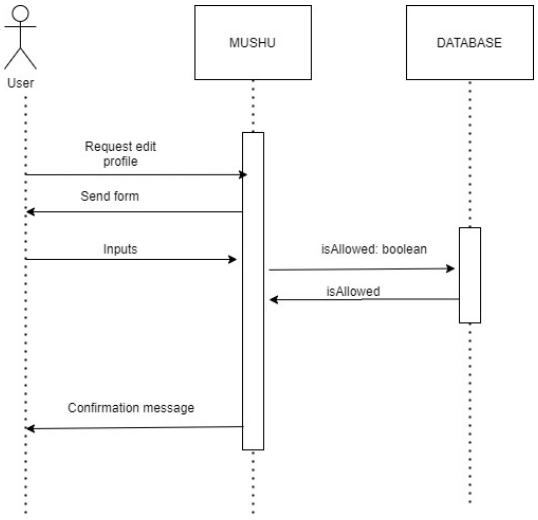


2.2 Sequence Diagram

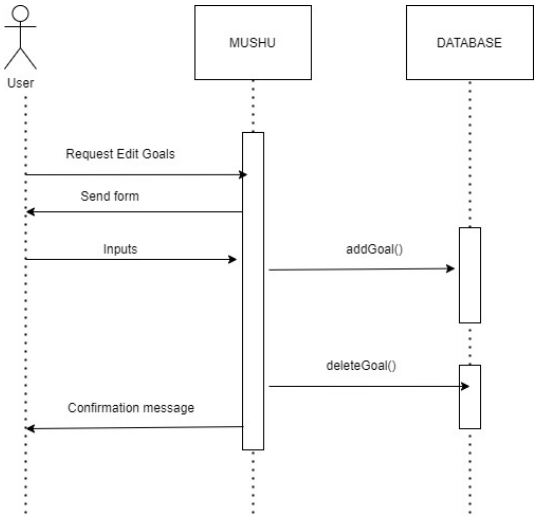
Third level headings are flush left, initial caps, bold, and in point size 10. Use one line space before the third level heading and one-half line space after the third level heading.



Edit profile

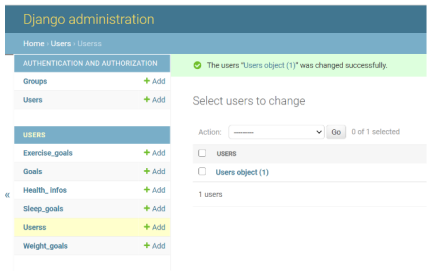


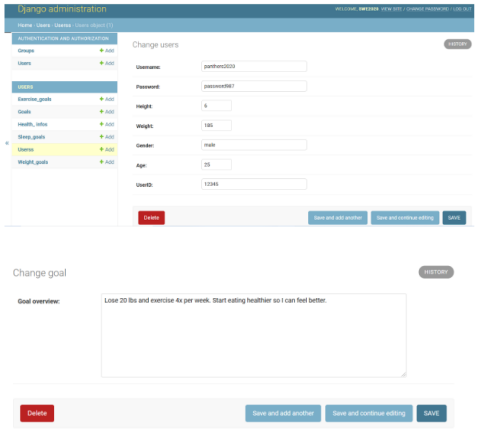
Edit goal

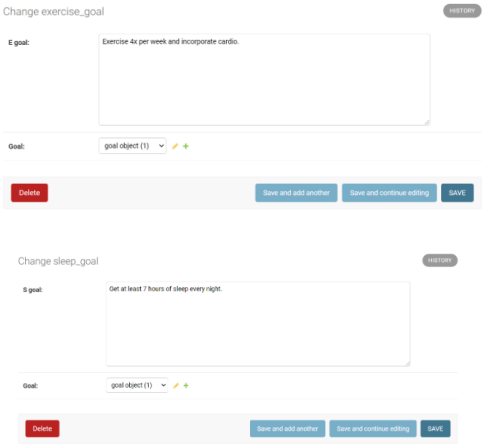


Understanding Fourth level headings must be flush left, initial caps, bold, and Roman type. Use one line space before the fourth level heading, and place the section text immediately after the heading with no line break, but an 11 point horizontal space.

2.3 Implementation







Explain process

2.3.1 Citation

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2.4 Testing

Explain process

Test 1: Create User Account (Valid case): Users will be able to Create and account by entering information such as Username, Password, and retype it again to

make sure everything is valid. We have set parameters to help user enter correct information to create an account. Once Signed up they are redirected to profile and user information will be saved in the database.

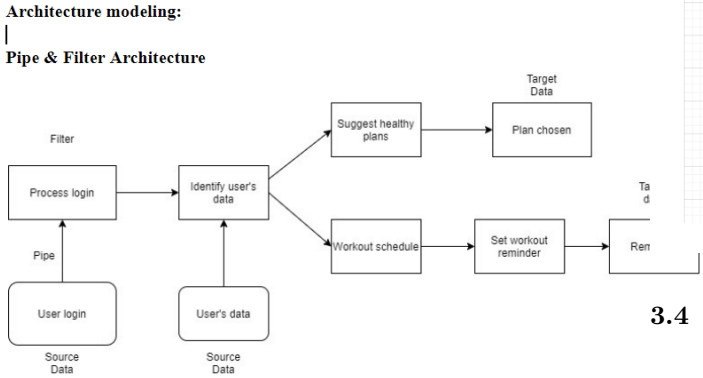
Test 2: Create User Account (Invalid case): In the case of User enters details that doesn't meet the parameters we have set to create an account they are advised to re-enter the correct information.

Test 3: Make change to profile: Users are able to create their own personal details to help them create the profile they desire. They will be asked few details such as name, email, height, weight, and etc. This helps both the system understand the user better and the user can edit their profile when they desire.

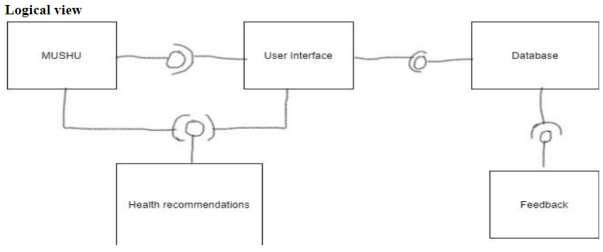
Test 4: ADD Goals: Users are able to add Goals that they are targeting and willing to achieve.

Test 5: Delete Goals: Users have the option to delete goals that they may not achieve in time or may not desire to do them anymore.

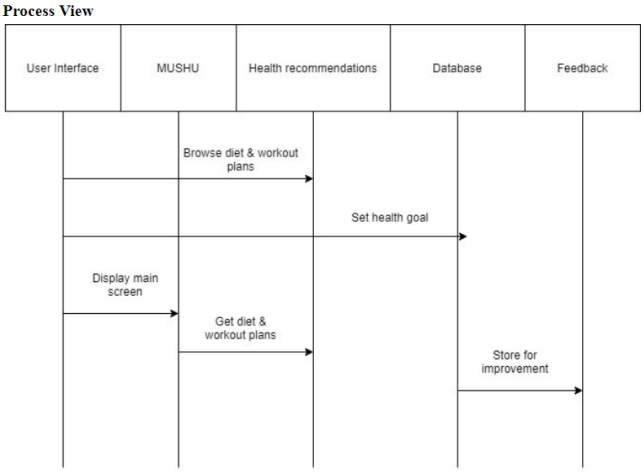
3 Architectural Model



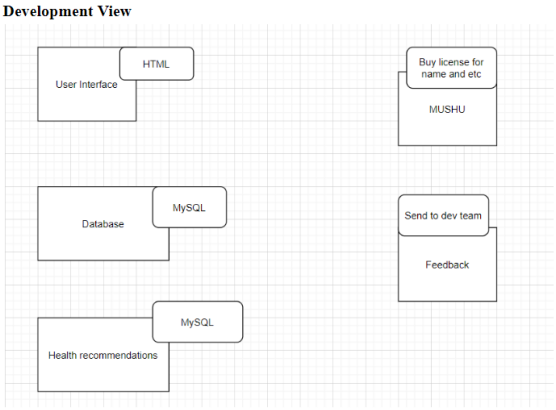
3.1 Logical View



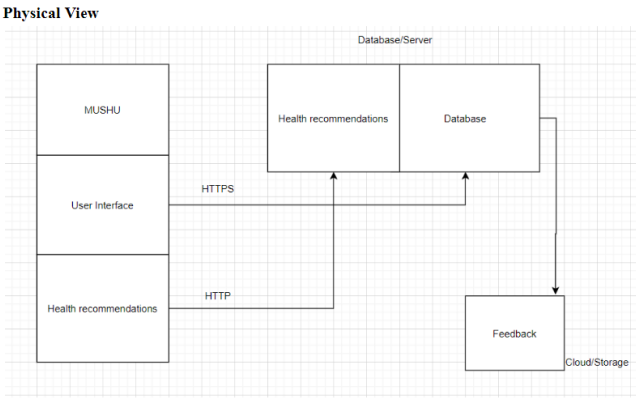
3.2 Process View



3.3 Development View



3.4 Physical View



Understanding These diagrams show the architecture of the project. First, the Pipe and Filter ar-

chitecture shows how input is processed, and how it leads to an output. The user's login and data are the source data, which are filtered by the login process and are used by the program to suggest plans, and make reminders. The logical view shows the software components of the application, and shows their functionalities. The process view shows how the processes communicate. The development view shows what programming languages, and other requirements are needed for each part of the application. The physical view shows how hardware connects to the server, database, and how they connect to the cloud.

Conclusion

Mushu is a site to help user keep up with their daily lifestyle and fitness. It helps track your daily Goals and achievements and showcase improvements you are making within your health. Our product is a group of services that aim to benefit users and their health in different ways. Our features range from diet and exercise planning, to sleep scheduling, to monitoring appointments, so our audience can choose to access our site for a single reason or for health-related help in multiple areas.One of the best things about how we built the site was, the ability to store all the users information and goals within the local server created by Django.

This Project was built by Woody Montilius(Back-end, Front-end), Quan Huynh(Back-end), Ava Shearer(Database, Back-end), Abdiaziz Dakane(Back-end, Front- end), Shaheen Rahimani(Back-end). We built this project using Django for backend and HTML/CSS for the front-side. Django helped us handle a-lot of the functionalities and CSS to make it user appealing. The professor seemed to point out how good our Homepage was and some students pointed it out to us.