

# Samuel Okasia

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## History Backend

Essential in progress

#22 ⌚ 1d 4h



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## History: Database

Essential in progress

#21 ⌚ 1d 4h

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## History: Interface

Essential in progress

#20 ⌚ 1d

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### History – Interface: 6hrs

- This we consist of a user-friendly interface, allowing the user to easily interact with the webpage and access features. The page will also have a stylish modern look to attract the user and will display all relevant details such as graphs, statistical data and test scores so the User can I have clear understanding of their progress. I have a good background in UI/UX design so It shouldn't take me many hours to implement, 6hrs should be sufficient

### History – Database: 12hrs

- This will involve creating a Database to store all the user's data e.g. test scores, test targets and upcoming test. It will allow the page to take data from the database and create visuals for the user so they can track their progress. The database schema will consist of will consist of tables that reflect our app, such as test scores, test target and upcoming test. I will use JHipster built-in function for database integration and use it to update the schema if needed. The database will require strong understanding with databases and SQL so I estimate this could take up to 12hrs

### History- Backend: 12hrs

- This will be the part of the website not accessible to the user but will be responsible for manipulating and storing data. It will be designed to organize and manage user data, e.g. upcoming test, test scores and progress updates. We will also include features such as automated reminders for upcoming test and targets for that test. Since the backend is slightly heavy and my lack experience with backend, I think this could take me up to 12 hrs.

**Introduction:**

We aim to create a educational time management app with anti-procrastination features that will help user manage their time more effectively and allow them to significantly reduce the amount of time spent using unproductive distractions.

**Development Approach:**

We will take a Agile development approach when designing the app. We will be using JHipster, which is a development platform to quickly generate, develop, & deploy modern web applications & microservice architectures. It uses modern technologies such as Spring Boot and Angular. We will also be using Git to collaborate on the project and for version control. The app will be designed with a responsive user interface built for web applications.

**Features:**

The app will have several features which will help the student reduce procrastination and manage their time effectively. These features include: History, Diary, Anti Procrastination, Scheduler, Alarm/Timer and Notification System

**Architecture:**

We will be using JHipster, which provides a modern web development stack based on Spring Boot, Angular, and other technologies. The app will be in a way that separates the front-end and back-end components, which allows for easier independent development and scalability. The front-end will be designed using Angular, which provides an easy to use and robust framework for creating fast and responsive single-page applications. The back-end will be developed using Spring Boot, which provides a lightweight and efficient framework for creating scalable, robust and reliable web applications.

**Collaboration:**

Collaboration on the project will be managed using Git, Git is a distributed version control system which allows us as a team to work collaboratively on the same codebase. In general Gut will be used to manage code changes and merge conflicts it was also allow us to track the history of changes made to the code over time. The application will b hosted on a cloud-based Git repository, which will provide an easy access point for all members of the team to collaborate and share code.

**Testing:**

We will use a combination of manuel and automated testing for the application. Manual testing will be used to ensure the app and all its functions work as intended and that there are no major bugs or issues with the code. We will then use automated testing to test the apps core functionality and to ensure it will remain stable and reliable throughout its use and when new features are added. We will also use unit testing to test individual components of the app and then finally end to end testing to test the app as a whole.

**Conclusion:**

By taking an agile approach and breaking down the problems into sections we are confident we will be able to successfully create a tool for students to manage their time effectively and reduce procrastination

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ojadi@DESKTOP-DSTOC14 MINGW64 ~
$ cd /users
bash: cd: /users: No such file or directory

ojadi@DESKTOP-DSTOC14 MINGW64 ~
$ cd team23-22

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (main)
$ git branch MVP_History

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (main)
$ git checkout MVP_History
Switched to branch 'MVP_History'

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ git commit
On branch MVP_History
Untracked files:
  (use "git add <file>..." to include in what will be committed)
      src/main/webapp/app/History/

nothing added to commit but untracked files present (use "git add" to track)

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ git add src/main/webapp/app/History

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ git add src/main/webapp/app/History/

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ git commit
[MVP_History f4b4c97] I created a folder for Hisotry feature part of the app to
store all relevant files
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 src/main/webapp/app/History/History Mockup.bmp
create mode 100644 src/main/webapp/app/History/History Outline.txt

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ git push HEAD:MVP_History
fatal: 'HEAD:MVP_History' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ git push HEAD:MVP_History
ssh: Could not resolve hostname head: Name or service not known
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ git push origin HEAD:MVP_History
warning: redirecting to https://git.cs.bham.ac.uk/team-projects-2022-23/team23-2
2.git/
Enumerating objects: 641, done.
Counting objects: 100% (641/641), done.
Delta compression using up to 6 threads
Compressing objects: 100% (525/525), done.
Writing objects: 100% (641/641), 978.45 KiB | 3.95 MiB/s, done.
Total 641 (delta 84), reused 626 (delta 78), pack-reused 0
remote: Resolving deltas: 100% (84/84), done.
remote:
remote: To create a merge request for MVP_History, visit:
remote:   https://git.cs.bham.ac.uk/team-projects-2022-23/team23-22/-/merge_requ
ests/new?merge_request%5Bsource_branch%5D=MVP_History
remote:
To https://git.cs.bham.ac.uk/team-projects-2022-23/team23-22
 * [new branch]      HEAD -> MVP_History

ojadi@DESKTOP-DSTOC14 MINGW64 ~/team23-22 (MVP_History)
$ |

```

MVP\_History

7d1ad8e8 · I have created a folder for the histor

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Merge request

Compare

