

M1 Submission – Team 43

S1 Rankings

The team reviewed all submissions for S1, and each member of the team contributed by submitting a mockup, persona, evidence of git setup/commit, and relevant Kanban cards. There were no instances of incomplete or insufficient work.

The team evaluated each individual's contributions based on the established ranking criteria provided, by considering how well the mockups were aligned with the team's consensus on the concept and their potential to fulfil their intended purpose. The following are the rankings and justifications for each submission.

1. Kylie Teh

The budget screen was identified as the most crucial feature of the web application and was ranked first in priority. Kylie's initial mock-up screen for the budget feature was adequate, but it required further refinement to improve conciseness and accessibility, which was addressed after group discussions. As a result, part of Kylie's second screen was promoted to the first screen, as it was deemed to provide a better user experience. Nonetheless, the persona she provided was highly relevant to the project.

The mockup shows a 'Budget Tracking' interface. At the top, it displays three main values: 'Budget /month' at £1200.00, 'Spendings /month' at £634.58, and 'Remaining' at £565.42. Below this, there's a 'Categories' section with a list of items: Food (£300.00 budget, £166.00 spent), Shopping (£300.00 budget, £100.00 spent), Groceries (£300.00 budget, £167.00 spent), and Transport. A '+ Create Category' button is at the bottom of the list. To the right of the categories, there's a detailed view for 'Food' showing a 'Budget Target' of £300.00 and a note: 'You have already spent £166.00 on Food this month.' A 'Save Changes' button is located at the bottom right of the interface.

Joseph David Wellington
"I'm a university student who is new to managing my own finances"

Personal Data
Age: 18
Accessibility: No
Work: Student, Part-time barista at Starbucks
Family: Father, Mother, younger sister
Location: Birmingham, UK
Character: Outgoing

Bio
Joseph is a first-year university student at the University of Birmingham. His parents give him a monthly allowance to spend on accommodation and groceries as he does not live at home. On top of that, he works at the local Starbucks as a part-time barista when he has no classes. As a young adult living on his own for the first time in his life, he would like a platform that helps manage his finances.

Goals

- To keep track of his monthly spendings
- To save up money.

Frustrations

- He finds himself sometimes overspending and using up his allowance and income due to poor money management.
- Most months he has little to no savings.

Technology capability

- website ★★★★★
- Software ★★★★★
- Mobile Apps ★★★★★

Favourite phone brand

Apple

Favourite app

Instagram, Snapchat

2. Rohan Renganathan

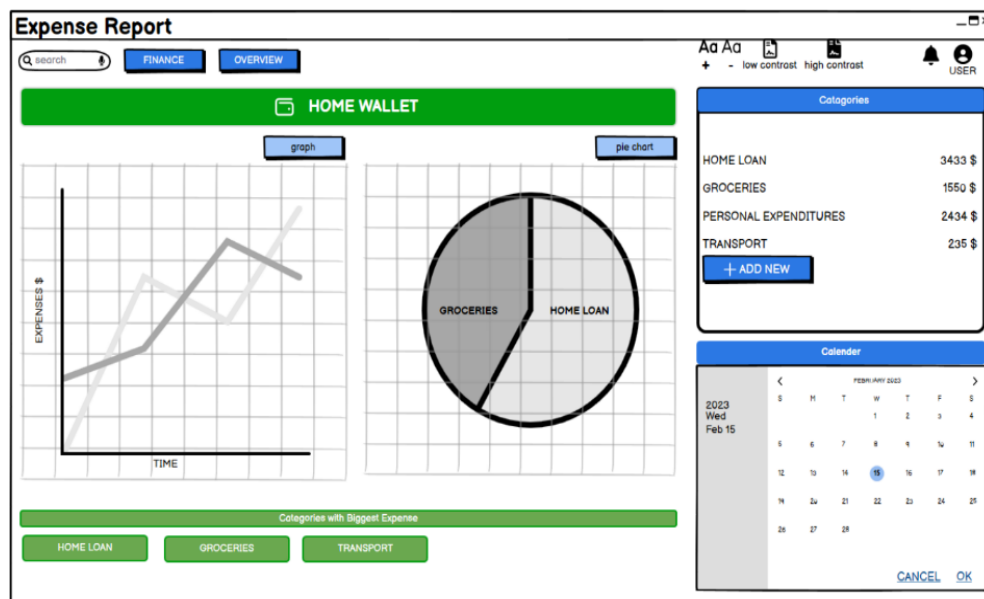
The Expenses Screen, which was ranked second by the team, covers all the aspects outlined in group meetings. The user interface is clear and concise, with monthly and annual spending presented in the top right corner, and each button labelled with a brief description underneath to facilitate ease of use. This ergonomic design adheres to research indicating that the top right corner is a natural focal point for users. Additionally, it features a search bar for specific expenses and an Export button in the corner, allowing for quick data exportation in a format suitable for tax purposes. Furthermore, a help button is conveniently located in the bottom corner, which can be read aloud for visually impaired users, providing a comprehensive description of the screen's purpose. Overall, this design prioritizes ease of use, accessibility, and functionality.


The mockup shows a clean, white interface. At the top, there's a date selector 'dd / mm / yyyy' with a calendar icon. Below it, a search bar labeled 'Search Expenses...' and a header '<< Website Name >>'. On the right, it displays 'Monthly Expenses: \$ __' and 'Annual Expenses: \$ __'. The main area contains eight rounded rectangular buttons arranged in two rows: 'Fixed Expenses' (Regular recurring and does not change), 'Variable Expenses' (Can change from month to month), 'Necessary Expenses' (Essential to maintain basic standard of living), 'Discretionary Expenses' (Not essential and is a luxury spend), 'One Time Expenses' (Occur infrequently and only once), 'Savings & Investment' (Saving money or investing in assets), 'Debt Repayment' (Paying off debt such as loans or credit card payments), and 'Other Expenses' (Expenses which are unique). At the bottom left is an 'Export' button, and at the bottom right is a help icon (?) and a pencil icon.

The profile card is divided into two main sections. The left section has a blue background and contains a photo of Steve Smith, his name, a quote: 'I want an app which can aid me in managing my finances as I make many unnecessary transactions sending money sideways', and a 'Personal Data' section with fields for Age (35), Accessibility (Slight colour blind), Employment (Works in banking), Status (Married with no children), and Location (Australia). The right section has a white background and contains a 'Bio' section describing Steve's high salary and desire for an app to manage spending. It also lists 'Goals' (cut back on frivolous purchases, become a father, increase retirement savings, become more fit), 'Frustrations' (difficult tracking expenses, color blindness, privacy concerns), 'Technology capability' (Website, Software, Mobile Apps, each with 5 stars), 'Favourite Tech Brand' (Apple logo), and 'Behaviour & Attitude' (tech savvy, uses several devices, wants an app to limit outflows).

3. Prabal Singh

The user interface is clear with user accessibility features such as font size and theme selection on top right, expense report is shown by a graph and pie chart and each button is labelled with a brief description underneath to facilitate ease of use. Additionally, it features a search bar for specific expenses and a Finance button in the left corner. Furthermore, categories with biggest expenses are conveniently located in the bottom corner, which can be read aloud for visually impaired users. This mockup prioritizes accessibility.





Jacob Martini
"I want an easy app to track my Finances."

Personal Data

Age: 65
 Accessibility: Myopia, Corneal Disease
 Work: Consultant
 Family: married, two daughter and one son
 Location: Cluj-Napoca, Romania
 Character: Active and Interested

Bio

Jacob is a 65-year-old consultant with over 40 years of experience in the Healthcare Industry. HE begins his career as a nurse and eventually worked his way up to senior management positions in several large hospitals. After his last hospital job, Jacob decided to become a consultant and share his expertise with other organisations. He is having difficulties in managing his finances because of his old age and accessibility issues. He has tried few finance applications, but they were lacking simplicity and features such as a custom themes and font sizes.

Goals

- Reminder whenever he spends more than a limit per day.
- A place that can show his financial data in visual depictions such as graphs.
- Options for a bigger font.
- A simple app that easy controls.

Frustrations

- Don't like to be tracked and would love some privacy features.
- Can not understand complex information on the smartphone and can not determine whether the information is valid or not.
- Can not read small words on the phone.

Technology capability

website
 Software
 Mobile Apps

Favorite phone brand

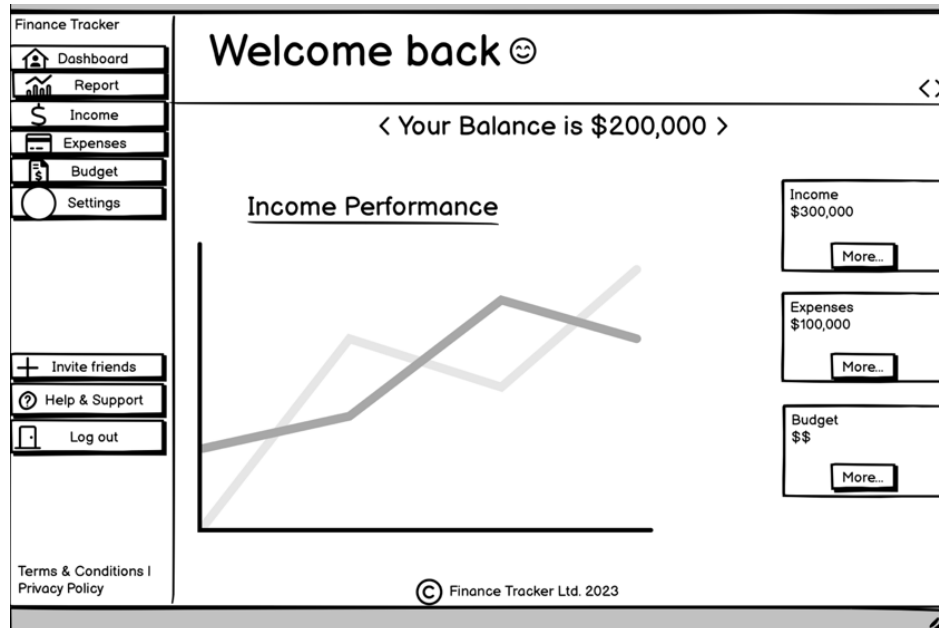
HUAWEI


Favorite app

WhatsApp

4. Oladapo Adeyanju

This ranking received 4th signifying that it was a solid effort. We appreciated the design of the mockup and persona but felt they fell short in a few key areas. The dashboard was ranked based on user experience, aesthetics and functionality. For aesthetics, the mockup was evaluated on its use of colour, typography and layout. The persona was evaluated on its relevance to the product being designed, and how well it captured the user's motivations and frustrations. Feedback was given in these areas, with suggestions for improvement to enhance the overall design, functionality and usefulness of the dashboard and persona.





Nadia Shanna
"Empowering my financial future,
one smart decision at a time."

Personal Data

Age: 27

Pet: Dog

Accessibility: None

Occupation: Actress

Family Status: Single

Location: Madrid, Spain

Personality: Social and Outgoing

Bio

Nadia, a 27-year-old working professional is always on the go. Between her work schedule and social life, she struggles to keep track of her finances. She's looking for a solution that is user-friendly and accessible from anywhere so she can stay organized and manage her finances on the go.

Goals

- To get a clear overview of the dashboard
- User-friendly and easy to use from the jump.
- Create and stick to a budget.
- A simple app that easy controls.

Frustrations

- Financial improprieties
- Complex applications including the dashboard.
- Inadequate budgeting tools

Technology capability

website	★★★★★
Software	★★★★★
Mobile Apps	★★★★★

Favourite phonebrand

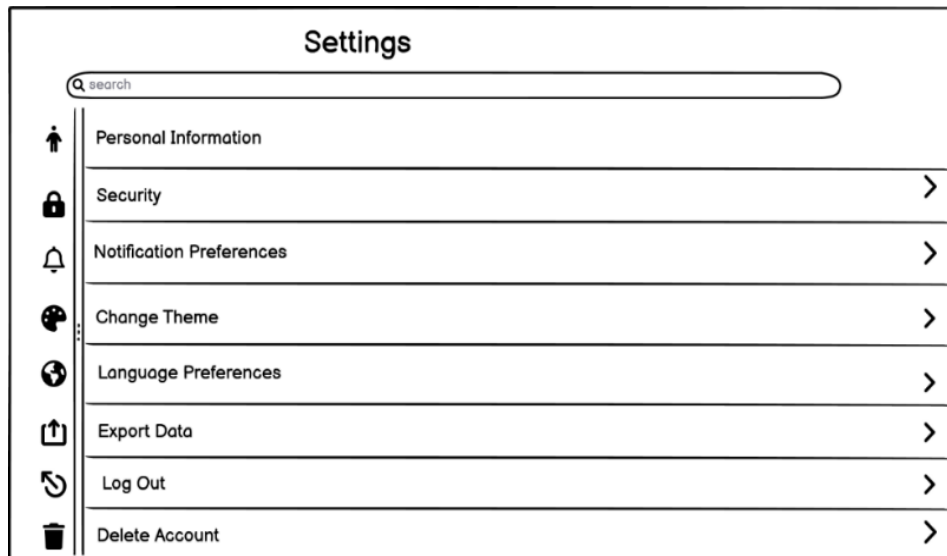
Apple

Favourite app

TikTok Instagram WhatsApp

5. Leila Shaibu

The settings feature mock-up adheres to the agreed format and links well with the app. But it is not as essential as some of the other app features, being that the app can still function relatively well without it. While the design fulfils the basic requirements, it lacks creativity and innovation, and it is similar to already existing apps. Also, the aesthetics of the mock-up could be improved upon. Hence, the mock-up can be enhanced by including distinctive and exciting components that set it apart from competing apps in order to increase its user appeal.



Olutosin Ajayi

"Since I'm not very tech savvy. I'm looking for a simple software to track my finances."

Personal Data

Age: 36

Accessibility: Long-sighted

Work :House Wife

Family :Married with no children

Location: Lagos, Nigeria

Personality: Introverted

Bio

She has trouble keeping track of her finances and usually ends up going over her budget accidentally. She is long-sighted so she has trouble with reading fonts that are too small. She needs the settings function to be able to customise the app to her preferences.

Goals

- To keep to her budget
- A settings feature that has enough customization options so she can use the app confidently.
- A settings feature that is easy to navigate

Frustrations

- When an apps interface is not easy to understand
- Cannot not read fonts that are too small.
- When an app is hard to navigate
- When the settings feature does not offer enough customization options.

Technology capability

website ★ ★ ★ ★ ★

Software ★ ★ ★ ★ ★

Mobile Apps ★ ★ ★ ★ ★

Favourite phonebrand

Favourite app


N/A

6. Anurag Tiwari

The aesthetics could be improved with additional functionality features such as an option to enter tax information. Although, the feature was not deemed as important as managing budget and expenses, the mockup coheres to the agreed format allowing instant navigation to all other tabs and fits well within the team's agreed concept. However, strictly speaking, there aren't a great deal of innovative elements on this mockup that target user appeal. The ranking for this submission is justified since the mockup is not crucial for the application but is useful for the intended persona and with real user feedback there is scope to improve its design.

Income


Current Accounts



HSBC


MARTINEZ S

Recent Earnings




Medium

\$188.98



Palantir


\$4238.72



upwork


\$312.66

Please enter new income


Currency 

Company

Date of income



Submit





Sofia Martinez

"I want to track and manage my income easily"

Personal Data

Age: 45

Occupation: Marketing manager

Family: Live with parents

Location: Rio de Janeiro, Brazil

Character: Social and Team-Leader

Bio

Sofia has over 15 years of experience in the marketing industry and currently as a marketing manager, she finds it difficult to track her multiple sources of income. She has multiple streams of income from freelance projects, part-time blogging and investment stocks but she finds it hard to track how much she's making and where it's coming from. As a result, she is unable to stick to a particular budget that she would like to keep due to the fluctuating incomes from the other streams. Sofia is hence looking for a structured finance management tool that easily and effortlessly lets her view her recent incomes all in one page and enter new streams if necessary.

Goals

- Keep track of multiple income streams.
- Enter any new income stream.
- View updates on recent earnings of investment stocks on the tracker directly

Frustrations

- Fluctuating incomes from different streams affect budget planning.
- With freelance projects like blogs makes it difficult to navigate through tax planning on their own
- Currently spending too much time on finance planning rather than focusing more on work

Technology capability

Website ★★★★★

Software ★★★★★

Mobile Apps ★★★★★

Favourite phone brand

SAMSUNG

Favourite apps

Project concept: mockups and personas

Many individuals find it difficult to manage their finances and have a hard time paying their bills. Hence, the idea we are creating a web-based finance tracker app. Our aim is simple; it is to simplify financial management. A finance tracker app can automate many financial tasks such as categorising expenses into different groups and generating reports and graphs enabling the user to view their entire financial status in just a glance. This can save a lot of time and make financial management a lot less overwhelming.

The idea of a web-based finance tracker may not be entirely original however, our app is different as we will have a clean and user-friendly user interface with each menu button clearly labelled providing a seamless transition from one screen to the next. This is in direct accordance with one of our client's, Jacob Martini's accessibility requirements. It will also incorporate customisable options to the user allowing them to change the contrast of colours and text size on the screen as we wanted to adhere to Olutosin Ajayi and Jacob Martini's requests. Additionally, the colours can be changed to cater for individuals who may be slightly visually impaired or colour blind. This was determined in precise alignment with our client, Steve Smith's preferences. Moreover, the app will also allow users to set personal financial goals tailoring the app specifically to their needs and requirements. The user's data is constantly backed up on the server reducing the chance of data loss whilst ensuring data integrity and security even in the unlikely case of a hardware failure.

This app will also allow users to set and achieve their financial goals and constantly be able to monitor their progress towards them. This can include goals such as paying off debt, saving for a down payment on a house, building an emergency fund or simply to save money. They can view all their previous expenses and see which is their primary expense category. This app will enable users to be able to make more informed decisions and facilitate wise spending.

As it is a browser-based app, only the internet is required to access it, enhancing usability and improving accessibility as it can be accessed from any device which has an internet connection and is not limited to a specific device. This makes it easier for users to stay on top of their finances and make informed financial decisions.

As our user base grows, it will be much easier to scale up to accommodate more users. This will allow us to expand our app's features to a wider market without having to worry about external factors such as compatibility issues or App Store approval issues, which may occur whilst scaling up a mobile app.

Our app will contain various screen interfaces for the user to navigate through. As soon as the user opens the app and logs in, they will be welcomed with the dashboard screen. This screen displays the user's income performance along with a brief overview of their income, expenses and budget. We have taken into Nadia Shanaa's requirements and ensured that the dashboard is designed in accordance with the brief. We have deliberately avoided any unnecessary complexities and have instead provided a simplistic user interface, ensuring ease of use for our client's end-users. To edit or view their information in greater detail, the user can press the appropriate buttons which are all neatly laid out on the left side of the screen interface. They can also enter the *Settings Screen* from this screen.

In the *Settings Screen* the user will be able to tailor the app to their preferences. For instance, they can control whether they wish to receive notifications as well as the theme of the app. Our application has been developed with accessibility in mind and is designed to accommodate

individuals who may be colour blind. Specifically, the entire colour scheme of the app can be modified in the settings to ensure that it is easily discernible for all users. Furthermore, the language of the app can also be altered catering to cater for non – English speaking individuals.

The user can also navigate to the *Budget Screen* from the dashboard. Here, they can set a budget for each category of expenses. They can click on the budget, and it will show them a diagram of how much of their budget they have dedicated towards the specified category.

The *Expenses Screen* is where the user can easily manage and stay on top of all their expenses. From this screen, the user will be able to quickly view their monthly and annual expenses. Additionally, the user will be able to add any expense they have. There are different types of expenses such as: *Fixed Expenses*, *Discretionary Expenses* and *Necessary Expenses* etc. To aid the user further, a small description of what each expense means is provided underneath.

After clicking on an *Expense button*, the user will be directed to another screen where they will be able to input this. From this screen, they will also be able to click on the *Report Screen* button. This will then take them to another screen which will display their chosen data in a graph format. This will make it much easier to view as more all their data can be viewed in a glance. This graph will split it by each category making it very clear which category the user is spending the most in and where they should cut down if required.

It is imperative that users with multiple streams of income, such as Sofia Martinez, are provided with the ability to view and manage all their income in one convenient location through the use of the Income feature. As research suggests that at least 47% of millennials have multiple streams of income, the implementation of such a feature is expected to greatly aid in understanding income trends and patterns over time. However, considering the current minimalistic functionality, we strongly encourage additional feedback in order to enhance the feature's utility. For instance, input on the incorporation of a frequency dropdown menu to enable users to select the frequency of each income source, and a tax withholding section related to their income, such as their tax filing status, number of allowances, and additional withholding amount, would undoubtedly garner positive responses.

All our personas are credible as we conducted thorough research prior to arriving at any conclusions. Whilst the individuals portrayed in our personas may not be real, we have conducted extensive research to identify the most common frustrations encountered by different age groups in their interactions with various applications. Subsequently, we have curated the most pertinent factors and incorporated them into our personas in order to ensure their relevance and applicability.

CI Pipeline Setup

SSH to VM

```
tiwar@AnuragHP MINGW64 ~ (master)
$ ssh ec2-user@13.41.185.146
The authenticity of host '13.41.185.146 (13.41.185.146)' can't be established.
ED25519 key fingerprint is SHA256:YecfM+e+Bh87szOL7DX5sCAIeEyby9vAJ3WQJr9eRb8.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '13.41.185.146' (ED25519) to the list of known hosts.
ec2-user@13.41.185.146: Permission denied (publickey,gssapi-keyex,gssapi-with-mi
c).
```

```
tiwar@AnuragHP MINGW64 ~ (master)
$
```

```
tiwar@AnuragHP MINGW64 ~ (master)
$ cd .ssh/

tiwar@AnuragHP MINGW64 ~/.ssh (master)
$ touch 1.pem

tiwar@AnuragHP MINGW64 ~/.ssh (master)
$ nano 1.pem

tiwar@AnuragHP MINGW64 ~/.ssh (master)
$ chmod 600 1.pem

tiwar@AnuragHP MINGW64 ~/.ssh (master)
$ ssh -i "1.pem" ec2-user@13.41.185.146

  _ _ | _ _ | _ _ )
 _ | ( _ _ | _ _ /   Amazon Linux 2 AMI
 _ | \ _ _ | _ _ |

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-118-44 ~]$
```

Register GitLab runner with repository.

```
[ec2-user@ip-172-31-118-44 ~]$ # Download the binary for your system
[ec2-user@ip-172-31-118-44 ~]$ sudo curl -L --output /usr/local/bin/gitlab-runner https://gitlab-runner-downloads.s3.amazonaws.com/latest/binaries/gitlab-runner-linux-a
% Total    % Received % Xferd Average Speed   Time    Time     Current
           Dload Upload Total    Spent    Left   Speed

  0     0    0     0    0     0      0  0:00:00  0:00:00 --:--:--   0# Give it permission to execute
sudo chmod +x /usr/local/bin/gitlab-runner

# Create a GitLab Runner user
sudo useradd --comment 'GitLab Runner' --create-home gitlab-runner --shell /bin/bash

# Install and run as a service
sudo gitlab-runner install --user=gitlab-runner --working-directory=/home/gitlab-runner
sudo gitlab-runner start
100 54.7M 100 54.7M  0    0 23.0M    0 0:00:02  0:00:02 --:--:-- 23.0M
[ec2-user@ip-172-31-118-44 ~]$
[ec2-user@ip-172-31-118-44 ~]$ # Give it permission to execute
[ec2-user@ip-172-31-118-44 ~]$ sudo chmod +x /usr/local/bin/gitlab-runner
[ec2-user@ip-172-31-118-44 ~]$
[ec2-user@ip-172-31-118-44 ~]$ # Create a GitLab Runner user
[ec2-user@ip-172-31-118-44 ~]$ sudo useradd --comment 'GitLab Runner' --create-home gitlab-runner --shell /bin/bash
useradd: user 'gitlab-runner' already exists
[ec2-user@ip-172-31-118-44 ~]$
[ec2-user@ip-172-31-118-44 ~]$ # Install and run as a service
[ec2-user@ip-172-31-118-44 ~]$ sudo gitlab-runner install --user=gitlab-runner --working-directory=/home/gitlab-runner
Runtime platform
FATAL: Failed to install gitlab-runner: Init already exists: /etc/systemd/system/gitlab-runner.service
[ec2-user@ip-172-31-118-44 ~]$ sudo gitlab-runner start
Runtime platform
arch=arm64 os=linux pid=8574 revision=d540b510 version=15.9.1
[ec2-user@ip-172-31-118-44 ~]$ sudo gitlab-runner register --url https://git.cs.bham.ac.uk/ --registration-token GR1348941F2bv6EtBwumVbwEsjxs-
Runtime platform
arch=arm64 os=linux pid=8595 revision=d540b510 version=15.9.1
Running in system-mode.

Enter the GitLab instance URL (for example, https://gitlab.com/):
[https://git.cs.bham.ac.uk/]:
Enter the registration token:
[GR1348941F2bv6EtBwumVbwEsjxs-]:
Enter a description for the runner:
[ip-172-31-118-44.eu-west-2.compute.internal]: Team43 runner
Enter tags for the runner (comma-separated):

Enter optional maintenance note for the runner:

WARNING: Support for registration tokens and runner parameters in the 'register' command has been deprecated in GitLab Runner 15.6 and will be replaced with support for
entication tokens. For more information, see https://gitlab.com/gitlab-org/gitlab/-/issues/380872
Registering runner... succeeded runner=GR1348941F2bv6EtB
Enter an executor: kubernetes, custom, docker+machine, parallels, shell, ssh, virtualbox, docker-ssh+machine, instance, docker, docker-ssh:
docker
```

CI/CD Pipeline setup

Variables

Variables store information, like passwords and secret keys, that you can use in job scripts. Each project can define a maximum of 200 variables. [Learn more.](#)

Variables can have several attributes. [Learn more.](#)

- **Protected:** Only exposed to protected branches or protected tags.
- **Masked:** Hidden in job logs. Must match masking requirements.
- **Expanded:** Variables with `$` will be treated as the start of a reference to another variable.

Environment variables are configured by your administrator to be **protected** by default.

Type	↑ Key	Value	Options	Environments	
File	RSA	*****	Expanded	All (default)	
Variable	VM	*****	Expanded	All (default)	
Variable	VM_USER	*****	Expanded	All (default)	

```
97 Creating network "docker_default" with the default driver
98 Pulling teamproject-postgresql (postgres:14.5)...
99 14.5: Pulling from library/postgres
100 Digest: sha256:135c62a8134dcef829a1e4f5568bfae44bcfa2c75659ff948f43c7196436
    6aa4
101 Status: Downloaded newer image for postgres:14.5
102 Creating docker_teamproject-postgresql_1 ...
103 Creating docker_teamproject-app_1          ...
104 Creating docker_teamproject-postgresql_1 ... done
105 Creating docker_teamproject-app_1          ... done
✓ 107 Saving cache for successful job                                00:02
108 Creating cache main-non_protected...
109 .maven/: found 6585 matching artifact files and directories
110 Archive is up to date!
111 Created cache
✓ 113 Cleaning up project directory and file based variables        00:01
115 Job succeeded
```

passed

00:05:53
2 minutes ago

Update .gitlab-ci.yml file

[#1807](#) main 399dd90e

latest



```
1  image: jhipster/jhipster:v7.9.3
2
3  variables:
4    CI_IMG: "\"${CI_REGISTRY_IMAGE}:latest\""
5    TP_URL: "${CI_PROJECT_NAMESPACE}.bham.team"
6    TP_CONTACT: "${GITLAB_USER_EMAIL}"
7  cache:
8    key: '$CI_COMMIT_REF_NAME'
9    paths:
10     - .maven/
11  stages:
12    - check
13    - build
14    - test
15    - analyze
16    - package
17    - release
18    - publish
19    - deploy
20  before_script:
21    - export NG_CLI_ANALYTICS="false"
22    - export MAVEN_USER_HOME=`pwd`/.maven
23
24  nohttp:
25    stage: check
26    script:
27      - ./mvnw -ntp checkstyle:check -Dmaven.repo.local=$MAVEN_USER_HOME
28
29  maven-compile:
30    stage: build
31    script:
32      - ./mvnw -ntp compile -P-webapp -Dmaven.repo.local=$MAVEN_USER_HOME
33  artifacts:
34    paths:
35      - target/classes/
36      - target/generated-sources/
37    expire_in: 1 day
38
39  maven-package:
40    stage: package
41    script:
42      - echo "jhipster" | sudo -S apt-get update
43      - echo "jhipster" | sudo -S apt-get install -y chromium-browser
44      - echo `whereis chromium-browser`
45      - ./mvnw -ntp verify -Pprod -DskipTests -Dmaven.repo.local=$MAVEN_USER_HOME
46  artifacts:
47    paths:
48      - target/*.jar
49      - target/classes
50    expire_in: 1 day
51
52  publish-docker:
53    stage: publish
54    services:
55      - docker:dind
56    variables:
57      DOCKER_HOST: 'tcp://docker:2375'
```

```

58     DOCKER_DRIVER: overlay2
59     DOCKER_TLS_CERTDIR: ""
60     dependencies:
61         - maven-package
62     script:
63         - echo "pushing ${CI_REGISTRY_IMAGE} ${CI_REGISTRY_USER} ${CI_REGISTRY_PASSWORD} ${CI_REGISTRY}"
64         - ./mvnw -ntp -e -X jib:build -DskipTests -Pprod -Djib.to.auth.username=${CI_REGISTRY_USER} -Djib.to.auth.password=${CI_REGISTRY_PASSWORD}
65
66 #uncomment this once the $RSA $VM_USER@$VM are set in the repo - Setting -> CI/CD -> variables
67 # $RSA should be a private key file, $VM_USER is the VM user name (e.g. root or ec2) and $VM is the IP address of the VM
68 #this assumes docker and SSH is installed on the $VM
69 deploy-git:
70     image: alpine:latest
71     stage: deploy
72     when: on_success
73     before_script:
74         - chmod og+ $RSA
75         - apk update && apk add openssh-client
76         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker-compose -f ~/team-project-deployment/src/main/docker/docker-compose.yml up -d"
77         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker rm -f $(docker ps -a -q) || true"
78         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker volume rm $(docker volume ls -q) || true"
79         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "rm -rf ~/team-project-deployment || true"
80         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker login -u $CI_REGISTRY_USER -p $CI_REGISTRY_PASSWORD $CI_REGISTRY"
81         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker pull ${CI_REGISTRY_IMAGE}:latest"
82     script:
83         - scp -o StrictHostKeyChecking=no -i $RSA -r . $VM_USER@$VM:~/team-project-deployment
84         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "sed -i 's|teamproject|$CI_REGISTRY_IMAGE|' ~/team-project-deployment/src/main/docker/docker-compose.yml"
85         - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker-compose -f ~/team-project-deployment/src/main/docker/docker-compose.yml up -d"

```

Meeting Diaries

Date	9/02/2023
Time	12:30-1:30 pm
Venue	CS Building
Attendees	Anurag, Rohan, Prabal, Kylie, Oladapo, Leila
Discussions	<ul style="list-style-type: none"> -First group meeting together: introductions -discussed strengths and skills of everyone in the group -Talked through initial ideas: Workflow management, renting clothes application, YouTube transcript application and a personal finance tracker. -For each idea, we understood its viability and functionality and whether it can be made accessible to all.
Decisions made	<ul style="list-style-type: none"> -Finalized on personal finance tracker web application as project -Created a group chat on Teams for project discussions

Date	10/02/2023 (Tutor Meeting with Wendy)
Time	1pm –1:25 pm
Venue	CS Building
Attendees	Anurag, Rohan, Kylie, Oladapo, Leila
Discussions	<ul style="list-style-type: none"> -First meeting with project tutor -Understood project requirements in particular S1 criteria; how to create mockups using Balsamiq and write relevant personas -Got feedback on the project idea (finance tracker) -Taught on importance of following a vertical slicing framework instead of horizontal slicing when working with the tech stack -Asked questions on Kanban cards and git setup
Decisions made	<ul style="list-style-type: none"> -Deadlines given to create mockups & personas -Project template given to understand the requirements for S1 in more detail

Date	11/02/2023
Time	2-2:40 pm
Venue	CS Building
Attendees	Anurag, Rohan, Prabal, Kylie
Discussions	-Requirements for S1 -Personal finance features including what mockups, relevant personas
Decisions made	-Different screen interfaces finalised -Mockups allocated to everyone -Personas identified

Date	15/02/2023 (Tutor Meeting with Wendy)
Time	4-4:20 pm
Venue	Zoom online
Attendees	Anurag, Rohan, Kylie, Leila, Oladapo
Discussions	-Feedback given on mockups and personas -Identified changes to be made for M1 submission -Questions were asked about how to rank mockups
Decisions made	-Ranking criteria was outlined -Proposed changes: Kanban cards to be more detailed (i.e to who the task is assigned to for clarity), some modifications in mockup, including accessibility feature for visually impaired users of the app.

Date	16/02/2023
Time	11-12:15pm
Venue	CS Building
Attendees	Anurag, Rohan, Prabal, Kylie, Oladapo, Leila
Discussions	-Discussed all individual mockups and personas -identified any coherency issues with the mockups -discussed ranking criteria and initial plans on ranking the individual submissions
Decisions made	-After reviewing all mockups, identified changes that need to be made for better functionality -Will rank the mockups after proposed changes

Date	21/02/2023 (Tutor Meeting with Wendy)
Time	1:50-2:10 pm
Venue	CS Building room 225
Attendees	Anurag, Rohan, Kylie, Oladapo, Leila
Discussions	-Received feedback on M1 progress -Discussed CI/CD setup (lab group session) -Tasks for S2
Decisions made	-Went to labs for CI/CD pipeline setup -Delegated tasks for S2 -Created Kanban cards for the features

S2 Task Allocation and Planning

Open 8 +

Get user income (back end)- Anurag
S2
#21

Income input fields (front end)- Anurag
S2
#20 Mar 8

Display recent income - Anurag
S2
#19 Mar 8

Search Expenses Search Bar - Rohan
S2
#15

Display Website Name - Rohan
S2
#16

Include today's date and calendar - Rohan
S2
#17

Settings Feature - Leila
S2
#22

Open 8 +

Dashboard feature - Oladapo
S2
#14

Tech research report + dev prep - Oladapo
S2
#18 Mar 8

Open 12 -

Create Search bar - Prabal
S2
#25

Display pie chart - Prabal
S2
#24

Display line graph - Prabal
S2
#23

Implement Budget Screen - Kylie
S2
#28

Implement Budget Input Form - Kylie
S2
#27

Implement budget calculation feature - Kylie
S2
#26