


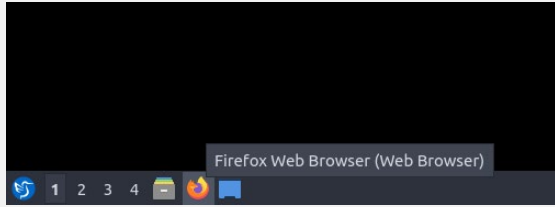
5. Installation of MySpaces Platform

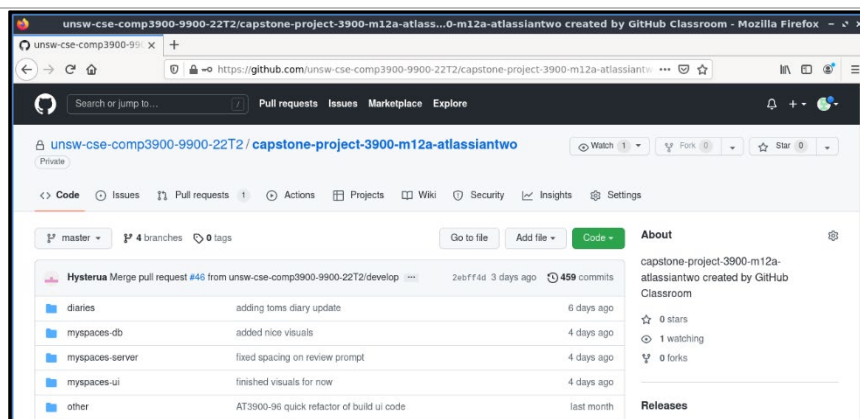
The following guide outlines the setup procedure for an individual wishing to run the MySpaces platform on their own device. The following guide requires users to have access to the project GitHub repository and a basic proficiency navigating a linux environment.

5.1. Installing VirtualBox

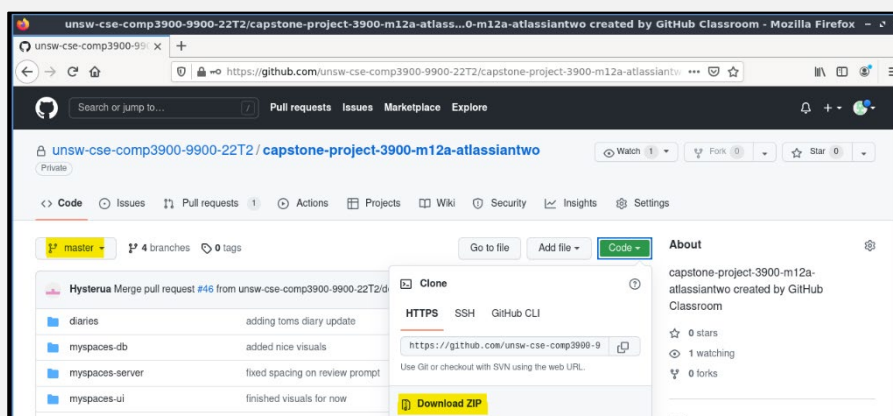
Step	Description
1.	Go to https://webcms3.cse.unsw.edu.au/COMP9900/22T2/resources/75958 and follow the corresponding guide to run a new image of Lubuntu on VirtualBox.
2.	When setup is complete, log into the Lubuntu account. 

5.2. Downloading Project Repository and Setup Scripts

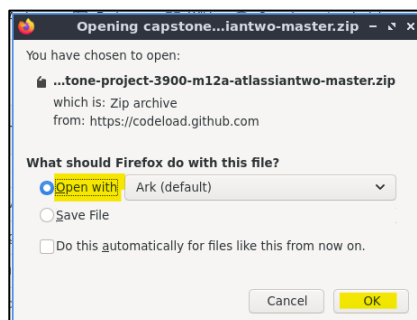
Step	Description
1.	Open Firefox from the lower-left toolbar. 
2.	Navigate to the project GitHub (https://github.com/unsw-cse-comp3900-9900-22T2/capstone-project-3900-m12a-atlassiantwo).



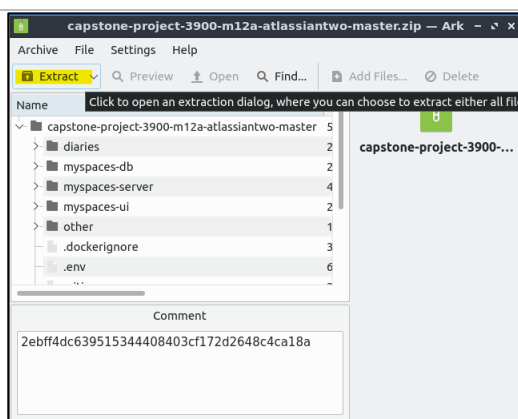
3. Download the project onto the Ubuntu Desktop. Note: You might find downloading the **Master** branch as a ZIP is the easiest approach to avoid needing to setup an HTTP/SSH clone. The following steps will use the ZIP download.



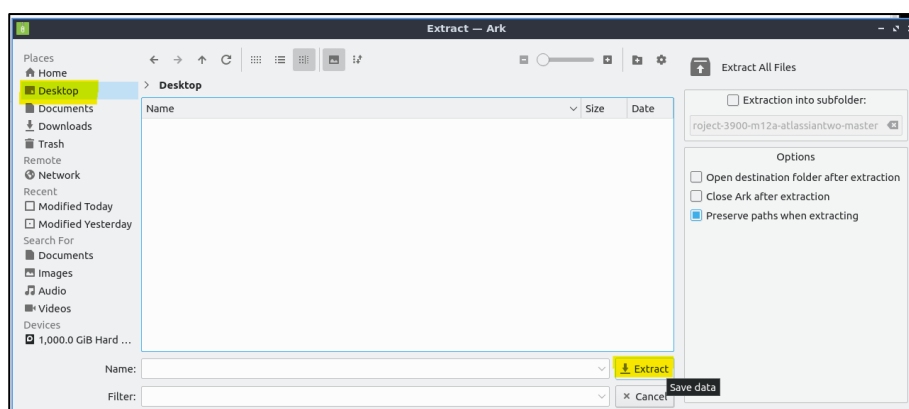
4. When download is complete, ensure **Open with Ark (default)** is selected. Press OK.



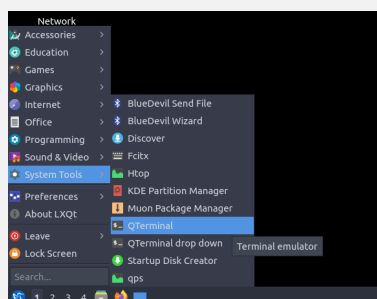
Press Extract.



Navigate to Desktop and press Extract.

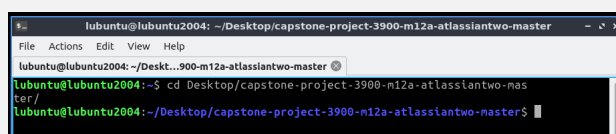


5. Open QTerminal from the Ubuntu start menu in the lower-left corner.



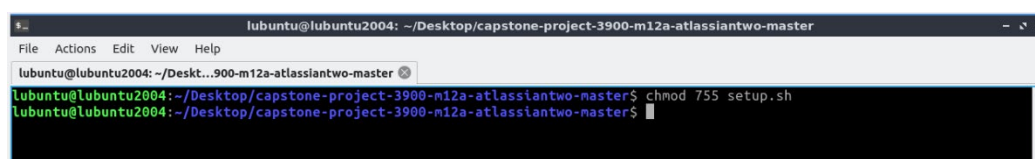
Change into the project directory with:

```
cd Desktop/capstone-project-3900-m12a-atlassian-two-master/
```



6. Run the following command inside QTerminal to allow the setup script to be executable:

```
chmod 755 setup.sh
```



7. Run the following command inside QTerminal to run the setup script:

`./setup.sh`

Enter the Ubuntu password. Whenever prompted, type “y” and enter.

```

lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master
lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master$ chmod 755 setup.sh
lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master$ ./setup.sh
[sudo] password for lubuntu:
Reading package lists... Done
Building dependency tree
Reading state information... Done
gnupg is already the newest version (2.2.19-3ubuntu2).
gnupg set to manually installed.
lsb-release is already the newest version (11.1.0ubuntu2).
lsb-release set to manually installed.
ca-certificates is already the newest version (20190110ubuntu1.1).
ca-certificates set to manually installed.
The following packages were automatically installed and are no longer required:
  libqt5opengl5 qtgststreamer-plugins-qt5
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  curl
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 161 kB of archives.
After this operation, 411 kB of additional disk space will be used.
Do you want to continue? [Y/n]

```

It may take a couple minutes to complete. On success you will see “Setup Complete!” printed to the console.

```

update-alternatives: using /usr/bin/google-chrome-stable to provide /usr/bin/gnome-www-browser (gnome-www-br
rowser) in auto mode
update-alternatives: using /usr/bin/google-chrome-stable to provide /usr/bin/google-chrome (google-chrome) i
n auto mode
Processing triggers for desktop-file-utils (0.24-1ubuntu3) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
Setup Complete!
lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master$

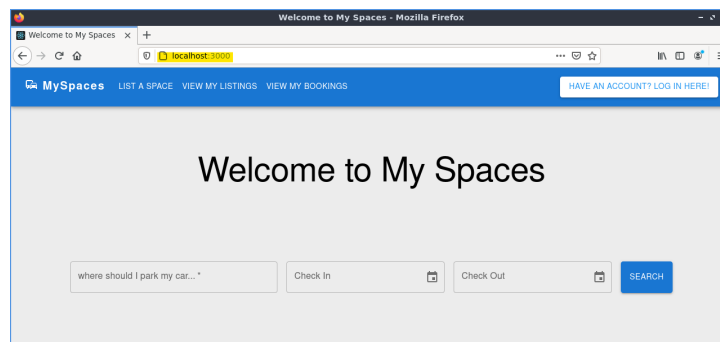
```

If successful, MySpaces is ready to be started.

5.3. Starting MySpaces

Step	Description
1.	<p>Running the following command in QTerminal within the Project Directory will start the MySpaces application:</p> <p><code>./run.sh</code></p> <ul style="list-style-type: none"> Note: When MySpaces is run for the very first time via the run script, Docker will need to pull down all required images. This may take several minutes. Once downloaded, future starts will not take as long. <pre> lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master\$./run.sh [+] Running 6/16 db-web-ui Pulling 13.1s 539efca65a2e Pull complete 1.9s 09cfb8455962 Pull complete 2.0s b72bc08afefb Pull complete 2.1s 7fb7a732550a Pull complete 2.3s 45a8446a2a5 Pull complete 7.1s 104d4dd97710 Pull complete 7.2s b7c9161ecde1 Extracting 3.113MB/15.07MB 8.2s 4b863eddc75b Download complete 8.2s c94bd3dd2a31 Download complete 8.2s ff21c9faf4fd Download complete 8.2s c6af2deed096 Waiting 8.2s f0ba108534ad Waiting 8.2s 5a8568c5f795 Waiting 8.2s fdd8469cba3c Waiting 8.2s cc9979a4e2a9 Waiting 8.2s </pre> <p>When complete, “MySpaces is now running on localhost:3000” will be printed to the terminal.</p> <pre> [+] Running 6/6 Network capstone-project-3900-m12a-atlassiantwo-master_backend_net Created 0.1s Network capstone-project-3900-m12a-atlassiantwo-master_frontend_net Created 0.1s Container capstone-project-3900-m12a-atlassiantwo-master-react-frontend-1 Started 1.4s Container capstone-project-3900-m12a-atlassiantwo-master-pg-database-1 Started 1.7s Container capstone-project-3900-m12a-atlassiantwo-master-python-backend-1 Started 2.3s Container capstone-project-3900-m12a-atlassiantwo-master-db-web-ui-1 Started 4.5s MySpaces is now running on localhost:3000 lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master\$ </pre>

2. Navigate to localhost:3000 to access the MySpaces platform.
- Note: React may take ~30 seconds to fully set up. If the website does not immediately load, try again after a minute.



5.4. Notable Accounts/Ports

Login	Description
Database GUI	<p>First ensure MySpaces is running.</p> <p>To see a GUI view of the PostgreSQL database, navigate to localhost:8080</p> <p>Fill in the Login with the following details:</p> <ul style="list-style-type: none"> System: PostgreSQL Server: pg-database Username: dev Password: dev123 Database: my_spaces_db

Adminer 4.8.1

Login

System: PostgreSQL

Server: pg-database

Username: dev

Password: ●●●●●●

Database: my_spaces_db

Login ☐ Permanent login

Click login. A successful login will take you to the following GUI:

Language: English PostgreSQL » pg-database » my_spaces_db » Schema: public

Adminer 4.8.1

Schema: public

DB: my_spaces_db Schema: public

SQL command Import Export Create table

select bookings
select directionsapicache
select listings
select reviews
select users

Tables and views

Search data in tables (5)

Table	Engine	Collation	Data Length?	Index Length?	Data Free	Auto Increment	Rows?	Comment?
bookings	table			24,576	?	?	-1	
directionsapicache	table		237,568	139,264	?	?	166	
listings	table		8,192	40,960	?	?	-1	
reviews	table			24,576	?	?	-1	
users	table		8,192	73,728	?	?	-1	
5 in total		en_US.utf8	253,952	303,104	0			

Selected (0)

Vacuum Optimize Truncate Drop

Move to other database: public Move

Create table Create view

Routines

Name	Type	Return type
checkbookingtimes	FUNCTION	trigger Alter

Create function

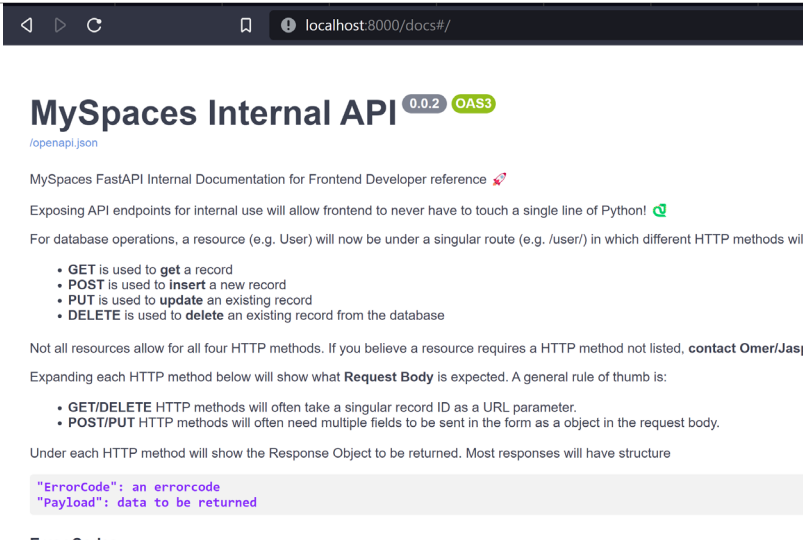
To see the contents of a given database table, click on the **select** button for the given table in the highlighted red box above. For example, if I wanted to see all users on the MySpaces platform, I would click “**select**” next to user (Click “user” will take you to the table schema).

select reviews
select users

Select data

Now I will be able to see all the users in the database in the highlighted table below.

	<div data-bbox="331 197 1417 712"> </div> <p>Note: This table is not dynamic, any actions on the frontend (i.e. creating a new account), will require you to click “select” again on the corresponding database table.</p>
MySpaces admin account	<p>First ensure MySpaces is running.</p> <p>To see an admin view of the website, navigate to localhost:3000.</p> <p>Ensure you are logged out by click on the user account icon in the top right corner, and selecting “Log Out”</p> <div data-bbox="667 1025 1082 1361"> </div> <p>Click “LOG IN HERE!” button in the top right corner of the homepage.</p> <div data-bbox="395 1429 1353 1731"> </div> <p>To log in as an admin:</p> <ul style="list-style-type: none"> • Email Address: myspacesteam@gmail.com • Password: dev123



MySpaces Internal API 0.0.2 OAS3

</openapi.json>

MySpaces FastAPI Internal Documentation for Frontend Developer reference 📄

Exposing API endpoints for internal use will allow frontend to never have to touch a single line of Python! 🟢

For database operations, a resource (e.g. User) will now be under a singular route (e.g. /user/) in which different HTTP methods will

- GET is used to **get** a record
- POST is used to **insert** a new record
- PUT is used to **update** an existing record
- DELETE is used to **delete** an existing record from the database

Not all resources allow for all four HTTP methods. If you believe a resource requires a HTTP method not listed, **contact Omer/Jasp**

Expanding each HTTP method below will show what **Request Body** is expected. A general rule of thumb is:

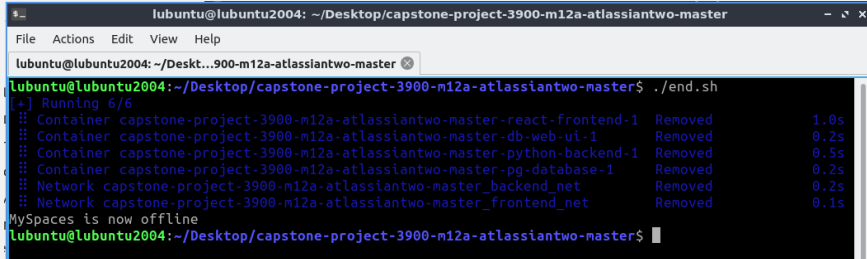
- GET/DELETE HTTP methods will often take a singular record ID as a URL parameter.
- POST/PUT HTTP methods will often need multiple fields to be sent in the form as a object in the request body.

Under each HTTP method will show the Response Object to be returned. Most responses will have structure

```
"ErrorCode": an errorCode
"Payload": data to be returned
```

Error Codes:

5.5. Stopping MySpaces

Step	Description
1.	<p>Running the following command in QTerminal within the Project Directory will stop the MySpaces application:</p> <p>./end.sh</p>  <pre> lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master\$./end.sh [*] Running 6/6 :: Container capstone-project-3900-m12a-atlassiantwo-master-react-frontend-1 Removed 1.0s :: Container capstone-project-3900-m12a-atlassiantwo-master-db-web-ui-1 Removed 0.2s :: Container capstone-project-3900-m12a-atlassiantwo-master-python-backend-1 Removed 0.5s :: Container capstone-project-3900-m12a-atlassiantwo-master-pg-database-1 Removed 0.2s :: Network capstone-project-3900-m12a-atlassiantwo-master_backend_net Removed 0.2s :: Network capstone-project-3900-m12a-atlassiantwo-master_frontend_net Removed 0.1s MySpaces is now offline lubuntu@lubuntu2004: ~/Desktop/capstone-project-3900-m12a-atlassiantwo-master\$ </pre>