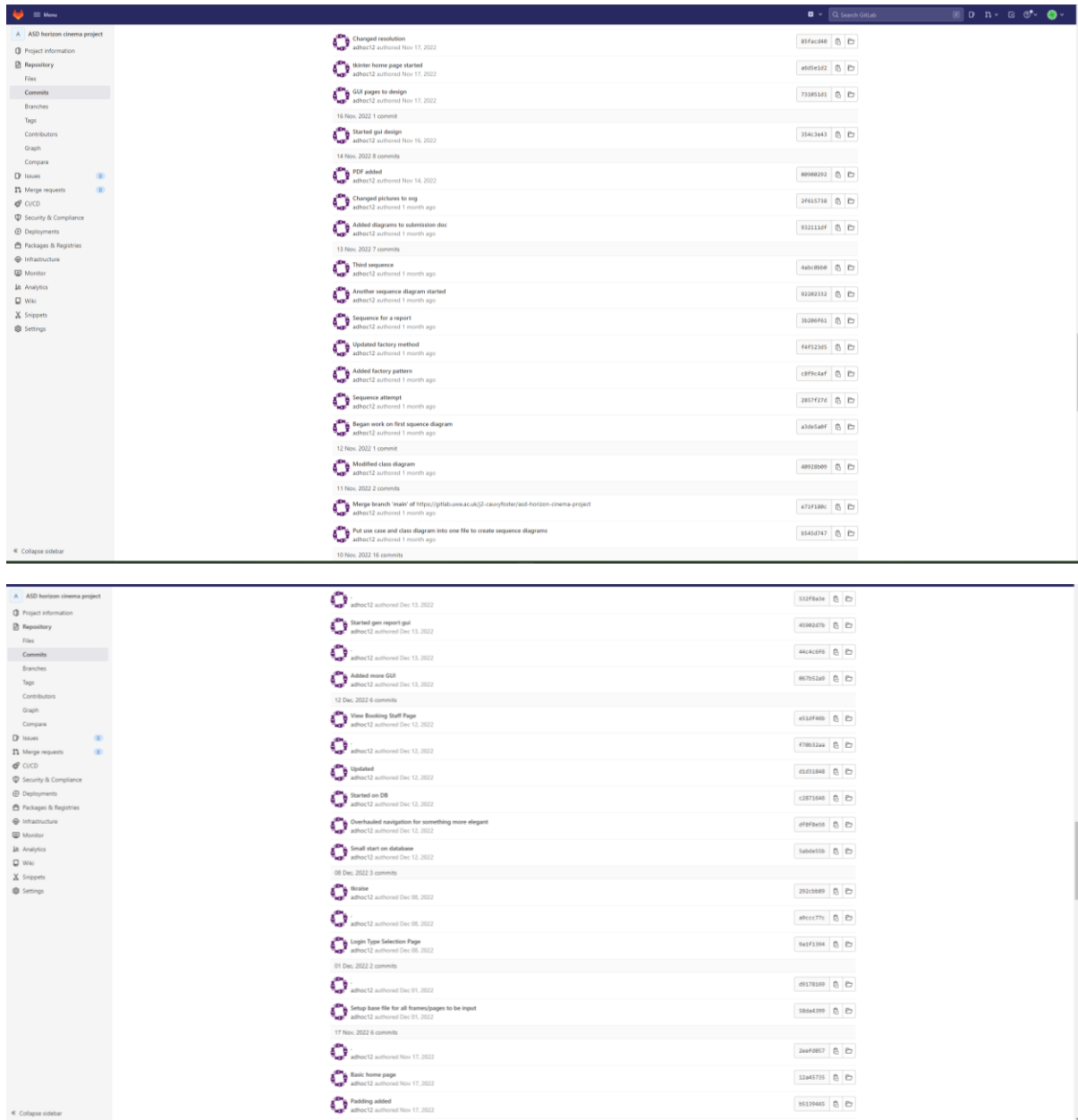


# Individual Contribution and Reflective Report

Arthur Milner – 21035478

## Evidence of Work Produced

For evidence of the work I've produced please see the git lab screenshots below showcasing my commits to the project:



ASD horizon cinema project

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Settings

23 Dec 2022 1 commit

Login working !!  
adhect2 authored Dec 22, 2022

62c0808

18 Dec 2022 1 commit

Successfully passing to model and controller, need to make it work with view  
adhect2 authored Dec 18, 2022

5821064

16 Dec 2022 4 commits

adhect2 authored Dec 16, 2022

2387c929

Changed to single user table  
adhect2 authored Dec 16, 2022

89ae8a7

Progress towards MVC  
adhect2 authored Dec 16, 2022

886c35c

Comm commit  
adhect2 authored Dec 16, 2022

2794850

15 Dec 2022 6 commits

Further db progress  
adhect2 authored Dec 15, 2022

c9a813e

adhect2 authored Dec 15, 2022

a708986

Moved gui to main folder  
adhect2 authored Dec 15, 2022

d3a3842

Quick edit  
adhect2 authored Dec 15, 2022

12a57ef3

adhect2 authored Dec 15, 2022

a05e095d

Create and cancel booking frames created  
adhect2 authored Dec 15, 2022

478a42a

14 Dec 2022 4 commits

Started create booking GUI  
adhect2 authored Dec 14, 2022

4208414

adhect2 authored Dec 14, 2022

8b4c1f8b

adhect2 authored Dec 14, 2022

576c877

Updates to GUI  
adhect2 authored Dec 14, 2022

a72c13a7

13 Dec 2022 5 commits

Finished report GUI  
adhect2 authored Dec 13, 2022

a0521282

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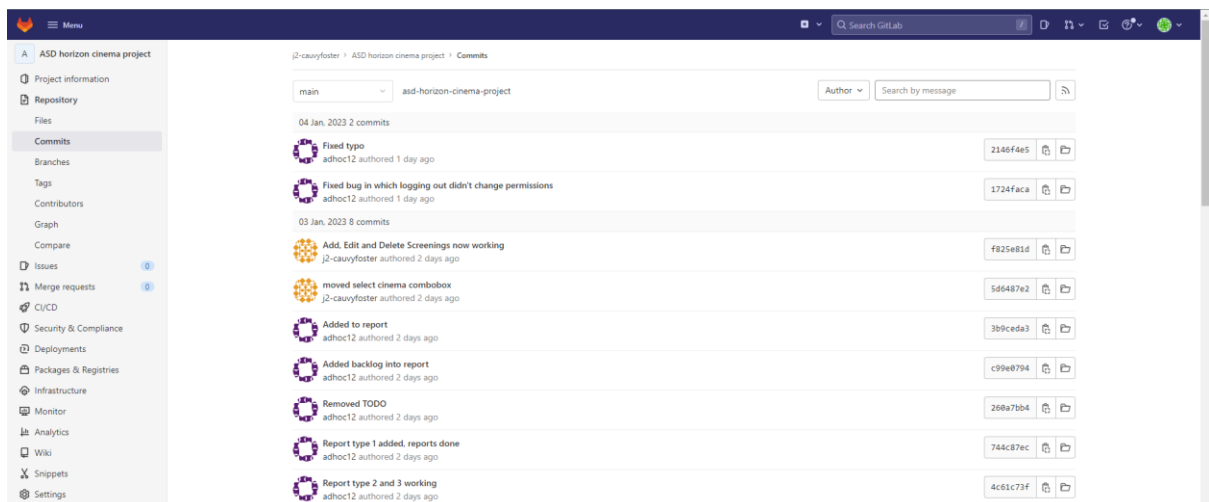
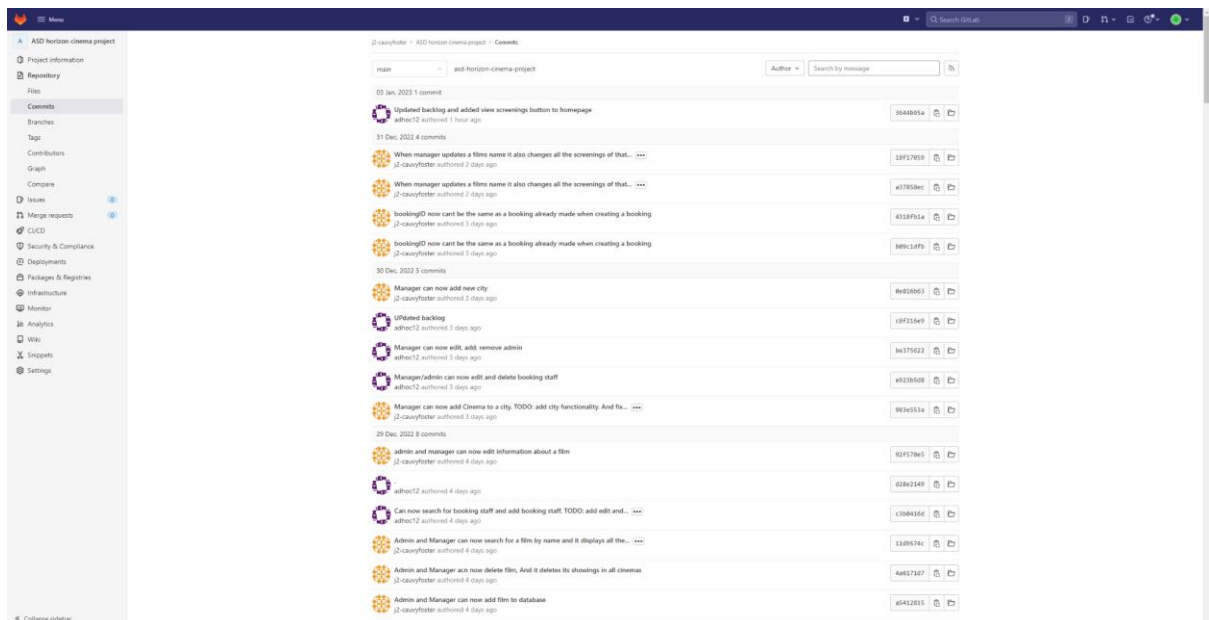
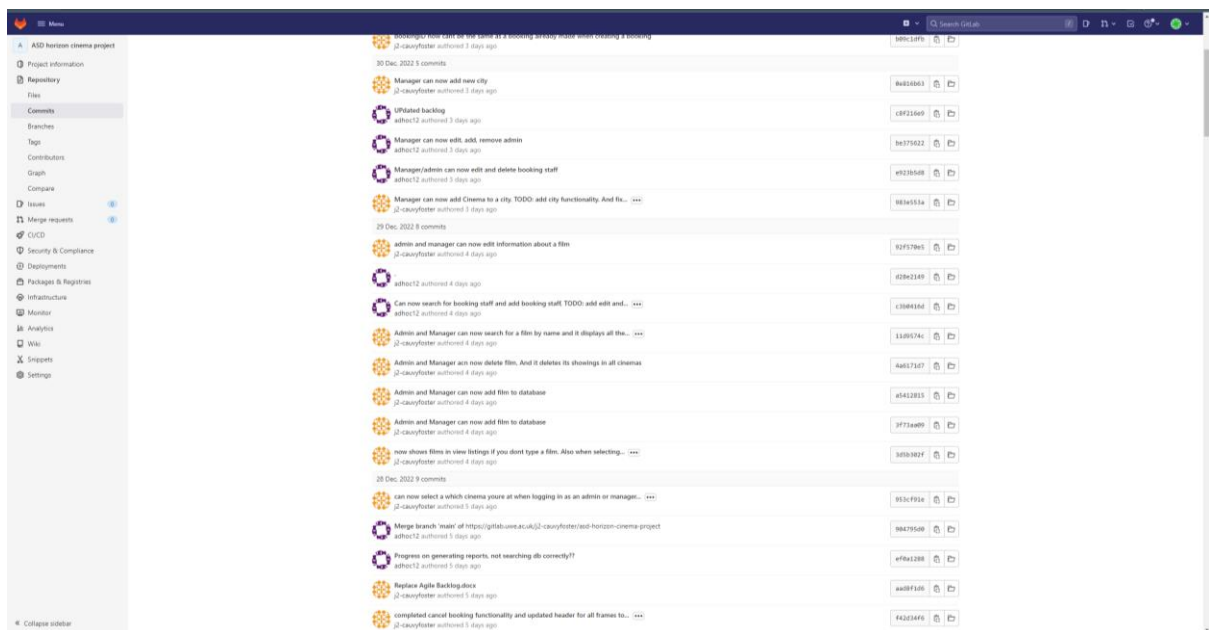
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Collapse sidebar

j2-cauyfoster > ASD horizon cinema project > Commits

main > asd-horizon-cinema-project

Author > Search by message

08 Jan, 2023 10 commits

Updated test file

adhoc12 authored 1 minute ago

b6d46c3f

Fixed label

adhoc12 authored 2 minutes ago

876f8c62

Fixed password showing on view admin page

adhoc12 authored 7 minutes ago

5d81244b

Fixed error in which search would show incorrect error message

adhoc12 authored 11 minutes ago

8b73a31e

Added student id

adhoc12 authored 29 minutes ago

434b3212

Updated backlog

adhoc12 authored 31 minutes ago

46bd984b

Edited for typos/grammar

t2-diclaudio authored 13 hours ago

335ea084

Automated Tests

t2-diclaudio authored 14 hours ago

66deb6d9

Corrected Typos

t2-diclaudio authored 14 hours ago

8508cd3d

Test Cases

t2-diclaudio authored 14 hours ago

e5f39ea5

07 Jan, 2023 1 commit

Test Case Doc Preview

t2-diclaudio authored 1 day ago

8c447821

04 Jan, 2023 2 commits

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main > asd-horizon-cinema-project

Author > Search by message

08 Jan, 2023 15 commits

Added another film

adhoc12 authored 5 minutes ago

d6a6eb25

Added cities and cinemas

adhoc12 authored 14 minutes ago

dbe2f8a9

Added how to use text file and begun with adding the data to db

adhoc12 authored 24 minutes ago

1c277e21

Added names to top of files

adhoc12 authored 41 minutes ago

836458dd

Converted to pdf and added to submission folder

adhoc12 authored 45 minutes ago

f338d493

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Author > Search by message

09 Jan, 2023 12 commits

Ready for submission

adhoc12 authored 1 minute ago

df361645

Setting up for submission

adhoc12 authored 5 minutes ago

a32e2fc9

Customer details are now verified. can now submit

adhoc12 authored 8 minutes ago

4e87ac58

Added more screenings

adhoc12 authored 5 hours ago

3aee9a0b

Fixed crashing

adhoc12 authored 5 hours ago

2476457e

Still unsure

adhoc12 authored 8 hours ago

ef59f585

Moved files around trying to fix crashing

adhoc12 authored 8 hours ago

d73f3bc3

Added cinema name to receipt

adhoc12 authored 8 hours ago

5a5f482e

Fixed not adding cinema to db

adhoc12 authored 8 hours ago

08d77c17

Fixed missing () on conn.commit

adhoc12 authored 8 hours ago

d259c57b

Added another screening

adhoc12 authored 9 hours ago

ad5155b9

TODO: Make it add the screens for the cinema on adding cinema

adhoc12 authored 9 hours ago

e723822a

### **Reflection of My Contribution and Knowledge Acquired**

In reflection of my contribution to the project, I believe that I have contributed a large amount of work, I had setup the projects GUI almost entirely by myself and had it working with MVC pattern on some basic functionalities such as logging in, user privilege modes and searching for film screenings before receiving help from another member.

As my other members were unfortunately left with the bulk load of work on the OS module they couldn't contribute until late into the project, however, once they did begin to contribute Joseph added key functionalities such as creating/cancelling bookings and adding/updating/deleting films/cities/cinemas/screenings. Whilst I worked on report generation, viewing cinema screenings and adding/updating/deleting staff. Finally once the project had been completely implemented Tommy undertook all the testing of the project and I fixed any issues he encountered and added the required data to the database for presenting, upon realising some tests were failing I also quickly made some final fixes.

I have gained great knowledge in object oriented programming, more than anything I feel much more comfortable in understanding how classes interact and work with each other. Further knowledge was found in the design process of the software, as using industry standard diagrams I had not before seen really helped in giving a base to work from during implementation. I also gained great knowledge in tkinter which is something I had no prior experience in.

I am also glad I have gained experience working within a group project and consequently some insight into how it might work within industry following an agile methodology and interacting with colleagues over all stages of a project.

### **Reflection on Relevant Emerging Technologies**

An emerging technology when designing a system such as this one could be the highly popular ChatGPT, it could help provide great guidance towards all phases of the project as its feedback is often useful to some extent and easily

applicable to whatever you might be implementing as it can take very specific requests.

A further example of an emerging technology is blockchain, blockchain in software development allows for an increase in security and consequently faith in the honesty of the software's operations. This is done through a ledger which is only accessed by those with suitable permissions. This could be particularly useful in applications such as ours in which card transactions are at the heart of its functionality.

For a third example you might consider the exciting potential of serverless computing, taking much of the hassle out of managing servers in which a software project will have multiple machines/people accessing. There are still servers in serverless computing, however, they are managed by an outside company which allocates the resources as needed via the cloud. This has become favoured by many in recent years due to its scalability and the ease of removing server management.