

PORTFOLIO OF EVIDENCE

CMPG 323 – IT DEVELOPMENTS

18 NOVEMBER 2022

Student Number	31648029
Student	VAN DER MERWE, D



1. Background

The Portfolio of evidence (POE) is a document with a collection of evidence you submit as your exam. The PoE should provide evidence of all the activities and projects you completed during the term. Your evidence should prove that you completed a training or project successfully.

Your POE is your exam. You need to have 40% as a participation mark to be able to submit the PoE. Your POE and participation mark each contributes 50% to your final mark.

2. Declaration

I, Danie vd Merwe Full name/s and surname

Student number :31648029 declare that I am the author of this Portfolio of Evidence for CMPG323. I further declare that the entire Portfolio of Evidence is my work.

I declare that I have not plagiarised or falsified information.

By signing this declaration, I acknowledge that I am aware of the policy on plagiarism and understand that the university will take action if there is evidence of plagiarism or falsification within this document.

Date: 18 November 2022

Signature: Danie vd Merwe (provide an electronic signature or type your name and surname again)

3. Evidence

Follow the instructions carefully to ensure that you submit all the required evidence.

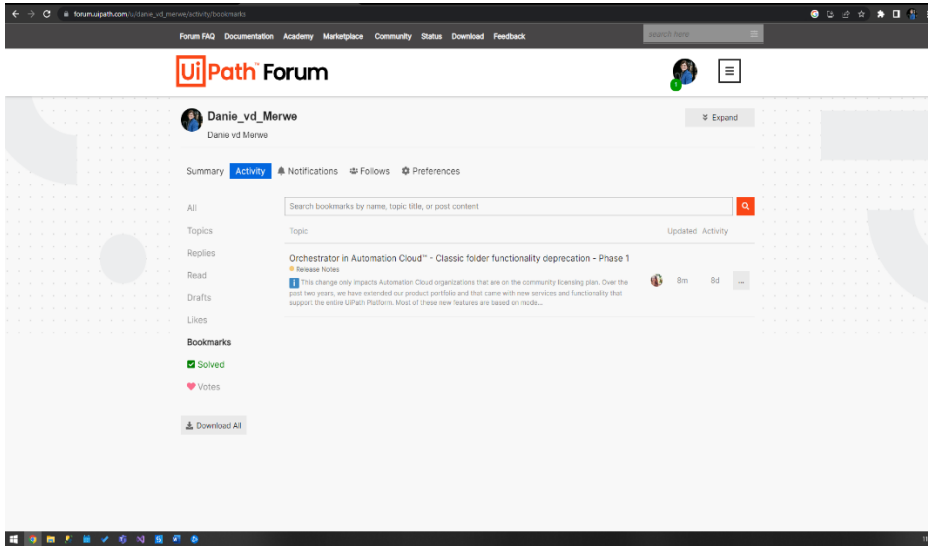
Instructions:

- All evidence must be submitted under the correct heading.
- Where the table row is grey, you are not required to submit evidence as it is sourced elsewhere.
- Space your content neatly to ensure a professional presentation of your evidence.
- You may resize the rows or add more rows.
- Ensure that you provide sufficient evidence to support your claims.

PROFESSIONAL MEMBERSHIPS

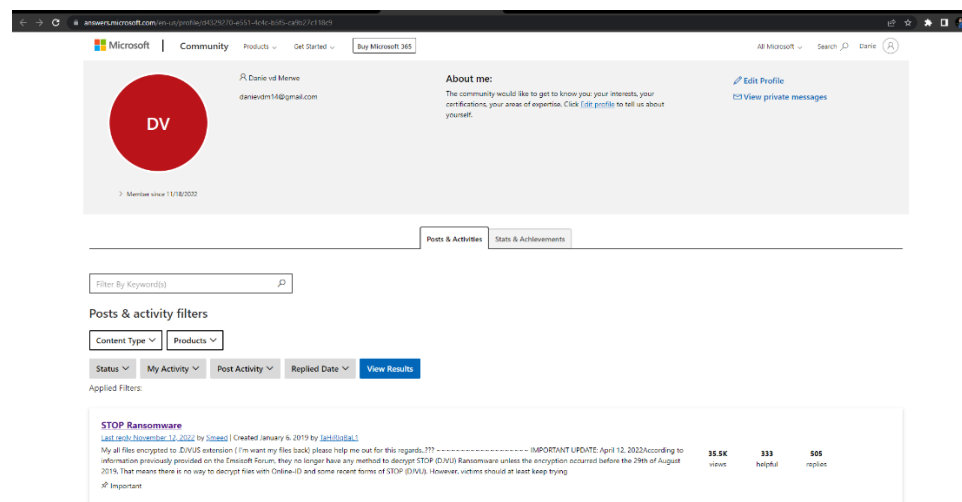
1. Professional LinkedIn profile <i>(Provide link below)</i>
https://www.linkedin.com/in/danie-vd-merwe-8644a1246/
2. Professional GitHub profile <i>(Provide link below)</i>
https://github.com/DanievdMerwe

COMMUNITY PARTICIPATION

<p>1. Member of the UiPath Community Forum <i>(Provide evidence (information, dates, screenshots of attendance and participation etc.))</i></p> <p>In the UiPath forum community I bookmarked the Orchestrator in Automation Cloud topic to be able to read about this topic. This topic is about modern folders and using new ways to work with robots. They plan to deprecate all classic folder functionality which I found really interesting and I will keep following the topic as they progress more and try and learn more about it.</p> 
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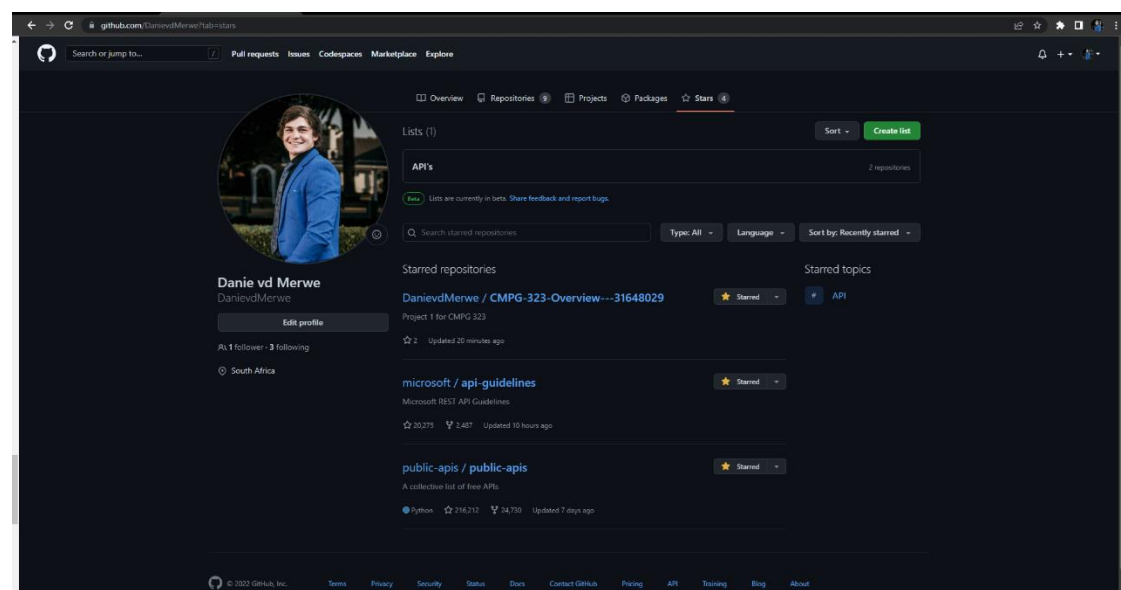
2. Member of Microsoft Community Forum(s) (Provide evidence (information, dates, screenshots of attendance and participation etc.))

STOP Ransomware topic was about a question that a user asked about all his files being encrypted with .DJVUS. The question was successfully answered and the solution to fix it was provided.



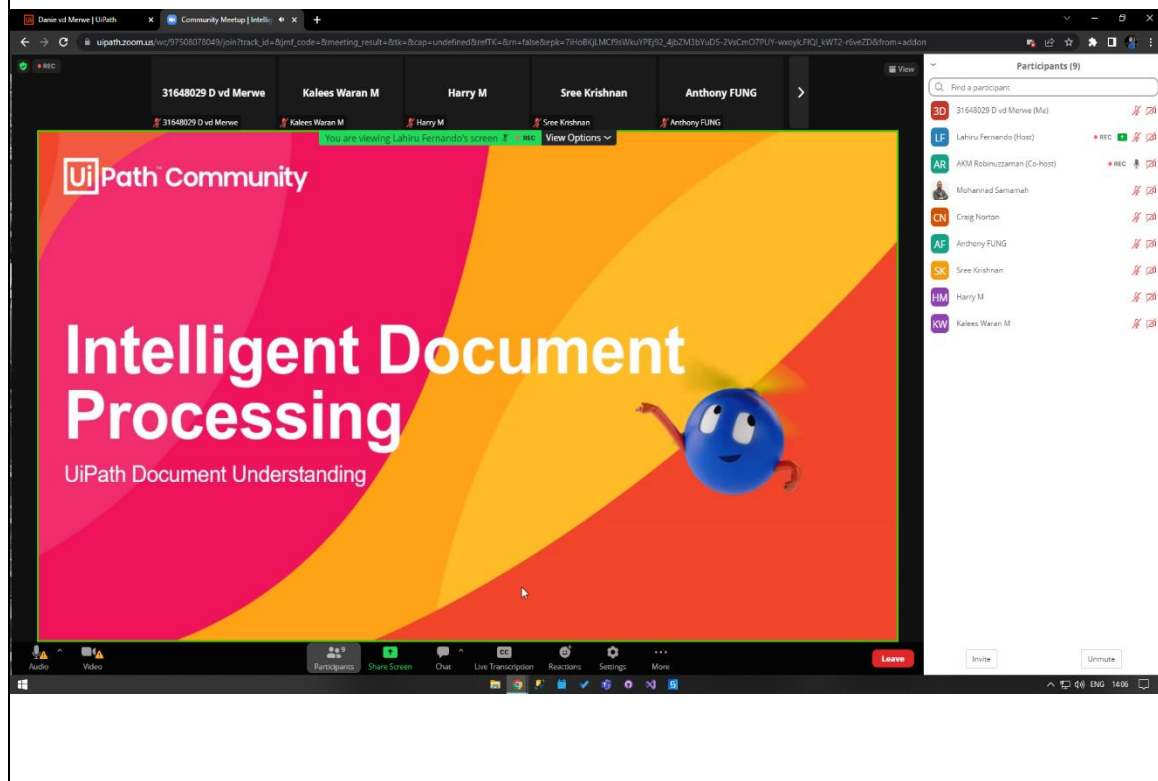
3. Any other developer/IT Community Forum(s) (Provide evidence (information, dates, screenshots of attendance and participation etc.))

On Github I starred API topics and discussions while we were busy with the API project to read about the problems people encountered and just general discussions about it.



4. Proof of attending at least one community meetup (Provide evidence (information, dates, screenshots of attendance and participation etc.))

UiPath Community; Intelligent Document Processing. This meetup took place on the 4th of November 2022 and handled about Document understanding. They handled on the approach of a document understanding project, which technologies to use in your project, some ideas for intelligent document processing and ended with questions to clear out any confusion.



TRAINING

Evidence must be submitted as badges or certificates by using the [form](#) provided.

Achievement	Provider	Type	Category
1. Introduction to Github 2. Build and Deploy applications to Azure by using Github Actions. 3. Introduction to Git. 4. Build community-Driven software projects on Github. 5. Introduction to version control with Git.	Microsoft Learn	Badges	Source Control
Azure Fundamentals: Describe Azure architecture and services	Microsoft Learn	Badge	Azure Fundamentals
Create a web API with ASP.NET Core controllers	Ms Learn	Badge	Web API
Create microservices with .NET and ASP.NET Core	Microsoft Learn	Badge	Web API
Build web apps with ASP.NET Core for beginners	Microsoft Learn	Badge	Web API
Secure a .NET web app with the ASP.NET Core Identity framework	Microsoft Learn	Badge	Web API
Introduction to RPA and Automation	Ui Path	Certification	UiPath
Meet the UiPath Platform	UI path	Certification	UiPath
Build your First Process with Studio	Ui Path	Certification	UiPath
Get started building with power BI	Microsoft Learn	Badge	Power BI
Visualize data in Power BI	Microsoft Learn	Badge	Power BI
Get started with Microsoft analytics	Microsoft Learn	Badge	Power BI

LEARNINGS

Here's a record of what you've told us you've learnt. This is an opportunity to reflect on it and amend where you feel is necessary

Achievement	Learning
1. Introduction to Github 2. Build and Deploy applications to Azure by using Github Actions. 3. Introduction to Git. 4. Build community-Driven software projects on Github. 5. Introduction to version control with Git.	1. Learning to use Github features, the basics including commits, branches issues etc. 2. I learned how to create workflows using Github and deploying them to Azure. 3. I learned what version control is, understand distributed control systems, how to recover from mistakes, make and track any changes made and how to configure a Git project. 4. How to build community involvement projects while keeping it secure. 5. How to use Git to track my own changes as well as to collaborate with others.
Azure Fundamentals: Describe Azure architecture and services	In this learning path I learned all about the architecture of Azure, services available in Azure, Storage services and authorization.
Create a web API with ASP.NET Core controllers	How to create a Web API project, adding CRUD operations as well as testing API actions.
Create microservices with .NET and ASP.NET Core	In this Learning path I learned how to create a scalable, deployable and resilient service using .NET
Build web apps with ASP.NET Core for beginners	This learning path contained all of the basics of C#, HTML, Razor Pages and how to build web apps.
Secure a .NET web app with the ASP.NET Core Identity framework	How to configure ASP.NET Core Identity support in an existing ASP.NET Core web app, provide new user registration capabilities, extending the Identity UI components, customization of multi-factor login capabilities, implementing policy-based authorization using claims and how to customize and extend the Identity data stores.
Introduction to RPA and Automation	I learned the basics of RPA's and Automation and how it works. The benefits it brings to a fully automated company, their impacts on digital transformation
Meet the UiPath Platform	The basic setup and overview of how the UiPath platform looks and works.
Build your First Process with Studio	How to build my first automation process from scratch with Studio, how to publish it to Orchestrator and see how it runs with Assistant.
Get started building with power BI	I learned how Power BI services and applications work together, explored how

	Power BI can make your business more efficient and how to create professional visuals and reports.
Visualize data in Power BI	This learning path helped me to work with Power BI visuals, creating reports, dashboard and paginated reports.
Get started with Microsoft data analytics	It was an intro into data analysis and I learned the different roles in data and the different tasks of a data analyst in the field.

PROJECTS

For each project, submit the GitHub repo url. In addition, provide all links to the project if you have updated the project to a new version.

Project	GitHub repo url
Project 1	https://github.com/DanievdMerwe/CMPG-323-Overview---31648029
Project 2	https://github.com/DanievdMerwe/CMPG-323-Project-2---31648029-
Project 3	https://github.com/DanievdMerwe/CMPG-323-Project-3---31648029
Project 4	https://github.com/DanievdMerwe/CMPG-323-Project-4-31648029-
Project 5	https://github.com/DanievdMerwe/CMPG-323-Project-5---31648029

REFLECTIVE STATEMENT

Write a reflective statement to show that you can honestly appraise your performance and review the impact the whole experience has had on you.

Take the best and worst examples from the Portfolio and share (for each):

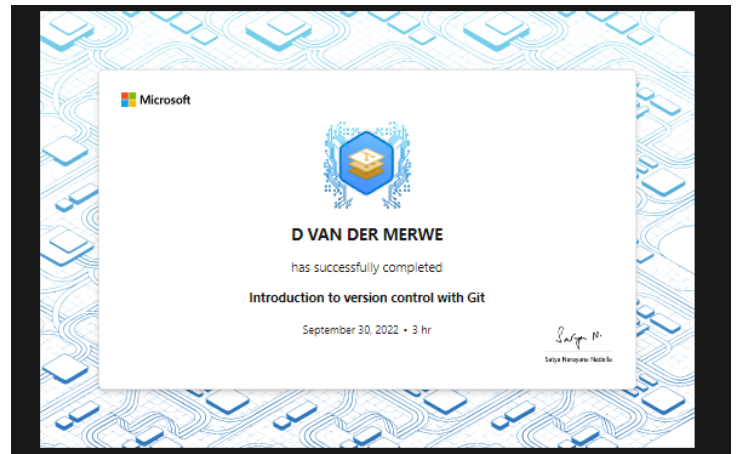
1. What it is.
2. What went well.
3. What challenged you, and how did you meet the challenge?
4. What would you do differently next time (what lessons were learned)?
5. What have you discovered about yourself as a learner?
6. What are your plans now for continued learning?
7. Include anything else you think is relevant to demonstrate your progress and motivation.

1. Best example from Portfolio <i>(list and describe each of the above points)</i>
<ol style="list-style-type: none"> 1. <i>Project 4 that handled about Automations</i> 2. <i>I really enjoyed project 4 and Automations caught my attention. I could successfully complete, implement and publish my automation.</i> 3. <i>The update and delete operation was a big challenge and although I watched a lot of youtube videos and read a few forums, I could not successfully implement it the right way.</i> 4. <i>I will spend more time on the more complex operations and do more research on how to do them and implement them correctly.</i> 5. <i>That I am a fast learner and grasped the concent of UI and Automations fairly quick. I also learned what role automations ply in our daily lives even though we don't know it.</i> 6. <i>I will definitely keep learning about automations as well as play around in UiPath Studio and build automations to see how powerful it really is.</i> 7. <i>In UiPath there is documentation regarding UiPath studio that goes a little more into depth, that I will work through on my own time to keep learning about it and to not lose the knowledge I have acquired about automations by doing this project.</i>

2. Worst example from Portfolio <i>(list and describe each of the above points)</i>
<ol style="list-style-type: none"> 1. <i>Project 2 that handled about API's</i> 2. <i>Although it was a challenge and everything did not work as it should have , I was still able to submit my work.</i> 3. <i>The API topic itself was not that hard, but the real challenge was time management, between classes, projects and extracurricular activities I did not give my full attention to the project and the results showed that. I also at that time was not completely sure how github worked, so my source control really let me down during project 2.</i> 4. <i>I quickly then learned how to use source control to get those marks, that I should start earlier and manage my time better to be able to get to all of the work. I learned the importance of the Kanban board and that it really can help you to manage your time better by giving yourself due dates for all of your work. With a bit of extra research I could figure out how to display my github repositories in a bit more professional way and to sort out the clutter.</i> 5. <i>That I am completely capable to do all of the work with the needed research and that I work good under pressure.</i>

6. *Azure and API's is definitely something that you can implement into your work environment, so if it is not already implemented, you can always suggest it. So I will keep learning about API's and use them.*
7. *Project 2 had the worst mark, but I learned out of my mistakes and didn't make the same mistakes in the projects that followed. I improved my time management, work and workflow and it really did make a big difference for the work that we still had to do.*

ADDITIONAL SCREENSHOTS OF MY CERTIFICATIONS AND AND BADGES



CMPG 323 Portfolio of Evidence



