



## PORFOLIO OF EVIDENCE

**ABRAHAM, NAJMAH**

**34385479**

*ESTJ*

**Web Development; Mobile Development; App Development;  
Junior Automation Developer;**

Having initially set my sights on the realms of mobile and web development, my journey has evolved, leading me into the captivating world of automation. Immersed in the dynamic realm of automation, where repetitive tasks metamorphose into streamlined, efficient processes, my heart is set on becoming a valued member of the UiPath family, contributing meaningfully as a junior automation developer. Recognizing the profound impact automation developers wield in industry, I am enthusiastically drawn to UiPath's innovative approach. I am eager to bring a new perspective for crafting efficient automation solutions to the forefront, understanding the transformative effect it can have on operational efficiency and productivity. The prospect of playing a significant role in the UiPath community resonates deeply with me, and I am committed to not only mastering the technical intricacies but also fostering collaborative relationships that elevate the collective success of the UiPath family. Excited about the transformative impact automation can have, I am ready to embark on this personal and professional journey, contributing my skills to the growth and innovation within UiPath.

**Most proficient in:**  
C#;Java;Python;HTML,CSS,JAVASCRIPT;

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# 1 MODERATION PREPARATION

## 1.1 Introduction

As part of the preparation for this module, a form was provided to allow students an opportunity to provide details about themselves. Based on the responses received, the following basic information details were captured:

Student Number	34385479
Initials & Surname	ABRAHAM, NAJMAH
Preferred Name	Kayleeyana
Preferred Email Address	najmahabrahaham@gmail.com
Date of Birth	2000-08-21
Campus & Delivery Method	Vaal - Contact
LinkedIn Profile	<a href="https://www.linkedin.com/in/najmah-abraham-18982b17b/">https://www.linkedin.com/in/najmah-abraham-18982b17b/</a>
GitHub Profile	<a href="https://github.com/kayleeyana">https://github.com/kayleeyana</a>
Stack Overflow Profile	<a href="https://stackoverflow.com/users/22316550/najmah-abraham?tab=profile">https://stackoverflow.com/users/22316550/najmah-abraham?tab=profile</a>

Table 1-1: Basic Student Information

## 1.2 Pre-CMPG323 Skillset

Prior to the commencement of work, students were prompted to provide their current rating of specific skill sets which would be focused on and enhanced throughout the semester. Each skill has been rated as follows:

Skill	Rating
Agile & Scrum Implementation	4
API Development	1
Design & Architectural Patterns Implementation	3
Testing Approach Implementation	2
Robotic Process Automation Implementation	1
Data Visualisation Implementation	3

Table 1-2: Skills Rating

The above table is subject to the following rating descriptions:

1. No prior knowledge/experience with implementation
2. Some knowledge but no experience with implementation

3. Some knowledge and experience with implementation
4. Advanced knowledge and experience with implementation

### **1.2.1 Expectations for CMPG323**

🚀 Thrilled and genuinely excited about CMPG323, I'm diving into this learning adventure with an open heart and a readiness to soak up new knowledge. While I recognize that it might demand a bit more time based on my work ethic, I see it as an investment in my personal and professional growth. The journey ahead is more than just academic; it's a chance to explore, evolve, and embrace a whole new environment. I'm not just here for the lessons; I'm here for the transformative experience, and I can't wait to see where this journey takes me! 🌱

### **1.2.2 Ambitions for CMPG323**

🚀 My ambitious goal for CMPG323 is to cultivate and enhance my skills to become a proficient Full-Stack Developer. 💻 ⚡

## **1.3 Career Path**

A number of questions were posed to students to prompt their investigation into different professions to decide which they would like to pursue. The following responses were captured for each question:

<b>Career Options</b>	<b>Response</b>
Entrepreneurship	Yes
Non-IT Role	No
Application for Roles	Graduate Programs in Banking (Software Developer) Graduate Programs: Junior Automation Developer
Desired Job Role	As a Junior Automation Developer, my role involves crafting and maintaining automation scripts using tools like UiPath, contributing to the analysis and optimization of existing processes, and ensuring the reliability of automated workflows through comprehensive

	testing and debugging. I am committed to meticulous documentation of automation processes, collaborating effectively with cross-functional teams, and continuously enhancing my skills through staying abreast of the latest automation tools and industry practices. I aim to implement end-to-end automation solutions, support their ongoing maintenance, and share my knowledge with the team, fostering a collaborative and innovative environment.
Desired Company & Profession	UiPath, Dimension Data, & Standard Bank: Junior Automation Developer

Table 1-3: Career Ambitions

## 2 Training & Certifications

The following achievements were obtained as part of CMPG323:

Category	Achievement	Type	Provider	Date	Reflection
Administrator endpoint applications	Administrator endpoint applications	Trophy	Microsoft	2023-11-05	Further deepening my understanding of mobile applications: Intune application deployment procedures entail several considerations and settings to ensure that a deployment is successful. No matter what type of app you're deploying with Intune, the overall process is the same. To deploy an app from Intune, perform the following steps: Ensure that Intune supports the app: Make sure that Intune supports the application installation type and that the application can be installed without user intervention. Create Microsoft Entra groups for either users or devices: In Intune, you create user-based or device-based groups to help you target software management tasks to specific users or devices. If you have a specific group of users that requires an application, create

					<p>a user or device group for the app deployment. If you're planning to deploy available installations, you also should link managed users to their computers to ensure that external links and company portal apps are available. Add the app to Intune: You must upload LOB apps to Intune cloud storage, specify a URL for web apps, or link a store app to Intune. For LOB apps, you must configure installation requirements, detection rules, command-line arguments, and provide general information about the app. Adding the app makes it available for deployment from the Apps section in the Microsoft Intune admin center console. Assign the app to user or device groups. When you create an application, you can assign the app to a set of users or devices. Once assigned, the app can either be installed by the user or, if the device is managed with Intune, the app can be automatically installed. Configure policies: You can manage application features and</p>
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					<p>protect data by deploying app configuration and app protection policies. Monitor the results of the app deployment: You can monitor the status of app deployments and installations from the Intune console by viewing the details for any app that appears in the list of apps in your Client Apps blade. You can view the installation status for the app either by device or by user. You can assign the app to users and devices either when adding the app to Intune or afterwards. Assigning apps makes them available for users to install or can cause the app to be installed automatically. You assign the apps to Microsoft Entra groups, this can be either user groups or device groups; for each group, you choose an assignment type. The assignment type will differ depending on the app type you choose to assign. An unmanaged app is any app available on Windows, Android and iOS. Intune doesn't have any control over the distribution, management, or wiping of these apps.</p>
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					<p>Intune MAM provides additional capabilities to protect managed apps by offering an additional layer of data protection. A managed app is an app for which Intune manages the whole lifecycle such as:</p> <ul style="list-style-type: none"><li>Deploy the app</li><li>Manage app updates</li><li>Monitor app installation</li><li>Selectively wipe the entire app</li></ul> <p>Intune also supports deploying apps to unenrolled devices. Currently, you can assign iOS and Android apps and iOS and Android built-in apps to devices not enrolled in Intune. You have the option of installing Microsoft 365 Apps from Intune using the Microsoft 365 app type. This app type makes it easy and convenient for you to assign Office apps to devices you manage that run Windows client or macOS. You don't need to download the installation files as they're already present in Intune. You can also install apps for the Microsoft Project Online desktop client and Microsoft Visio Pro for Microsoft 365, if you own licenses for them. The apps that you want are displayed</p>
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					as a single entry in the list of apps on the Intune console. If you need complete control of the Microsoft 365 Apps deployment, you can choose what deployment tool to use and whether to install the Office files directly from the cloud or from a local source on your network. Configuration Manager is usually a good choice for organizations t
Agile	Agile Software Development	Certification	Mind Luster	2023-11-02	The motivation behind undergoing this training stemmed from my desire to gain a fresh perspective on agile and scrum implementation. Armed with a foundation in basic agile concepts and having already implemented agile practices in CMPG323, I not only used this opportunity to strategize for the specific module but also embarked on a broader journey of planning for my entire semester. This extended to encompass not just academic endeavors like studies, marking, assisting, and tutoring, but also spilled over into managing a life outside academia. Throughout this certificate program, my understanding of agile

					deepened significantly. I explored diverse approaches to agile and became acquainted with various agile platforms such as iceScrum, Zoho Sprints, and Monday.com. Recognizing that there isn't a one-size-fits-all solution, I embraced multiple perspectives to become comfortable with agile implementation. Some key takeaways included: Agile's Adaptive Nature: Agile is the ability to respond to change based on new requirements or shifts in market conditions. Diverse Software Development Methodologies: Explored methodologies like Extreme Programming, the widely popular Scrum, Lean Development, and Feature-Driven Development. As my knowledge expanded, I realized that agile implementation extends beyond just organizational structuring. It serves as a versatile tool applicable in various contexts, such as: Frequency of Business Values: Utilizing agile for the frequent delivery of business values or working software. Smart
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					<p>Code Delivery: Understanding agile's role in delivering code efficiently. Delivering Value to End Users: Ensuring the delivery of valuable products, working software, and code to end users. Recognizing the numerous benefits of agile, I observed:</p> <p>Early Software Delivery: Agile facilitates the early delivery of software.</p> <p>Continuous Stakeholder Engagement: Maintains continuous engagement with stakeholders.</p> <p>Transparency: Provides transparency, with sprint planning informing who did what and when.</p> <p>Embracing Change: Agile embraces change and adapts to evolving requirements.</p> <p>Focus on Business Values and End Users: Prioritizes business values and end-user needs.</p> <p>Improved Quality: Contributes to improved software quality.</p> <p>This journey not only enhanced my understanding of agile but also instilled a comprehensive approach to planning and adapting, both academically and in life beyond the classroom.</p>
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Agile & Scrum	Scrum Basics	Certification	Growing Agile	2023-07-21	<p>Agile is a mindset and set of values that prioritize adaptability, collaboration, and iterative development. Scrum: A framework within Agile that focuses on delivering value in short, incremental iterations called sprints. Scrum Values: Commitment, Courage, Focus, Openness, and Respect. Scrum Framework: Comprised of roles, events, and artifacts. Roles: Product Owner, Scrum Master, and Development Team. Events: Sprint, Daily Scrum, Sprint Review, and Sprint Retrospective. Artifacts: Product Backlog, Sprint Backlog, and Increment. Sprint: A time-boxed iteration in Scrum where the Development Team works to deliver a potentially shippable product increment. Daily Scrum: A short, daily meeting where the Development Team discusses progress, plans for the day, and identifies potential obstacles. Backlog Grooming: Also known as backlog refinement, it's a practice of reviewing, prioritizing, and updating items in the</p>
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					<p>Product Backlog. Sprint Review: A meeting at the end of a Sprint where the Scrum Team presents the work completed during the Sprint and receives feedback. Retrospective: A regular meeting where the Scrum Team reflects on the previous Sprint to identify what went well and areas for improvement. Scrum Roles: Product Owner: Responsible for defining and prioritizing the Product Backlog to maximize value. Scrum Master: Facilitates the Scrum process and helps the team improve and adhere to Scrum principles. Development Team: Self-organizing and cross-functional team responsible for delivering the product increment. Team Board / Sprint Backlog: A visual representation of the work in progress during the Sprint, typically divided into To-Do, Doing, and Done columns. Daily Stand-up: A short, daily meeting where the team discusses progress, plans for the day, and potential roadblocks. Sprint Review: A meeting where the Scrum Team</p>
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					demonstrates what has been accomplished during the Sprint and gathers feedback from stakeholders. Retrospective: A meeting at the end of a Sprint where the team reflects on the process, identifies areas for improvement, and plans changes for the next Sprint. It's great to see that you've absorbed these concepts and their practical implications for managing and delivering projects using the Scrum framework.
Build web pages with HTML and CSS for beginners	Build your first HTML	Trophy	Microsoft	2023-11-01	In this module, I learned the core concepts of web development. Exploring the terminology and commonly used tools Being introduced to the three main languages used to create a webpage. Focus areas I grasped: -Explain what a webpage and website are -Highlight the differences between HTML, CSS, and JavaScript -Created my first webpage. Demonstrates how to apply formatting to basic HTML by using styles and Cascading Style Sheets. Focus areas are: -Explain how Cascading Style Sheets work -Create inline styles for

					basic HTML -Use selectors in CSS Through the use of: -Use selectors to apply style to different elements -Set fonts and sizing for text -Modify page display, including color As a burgeoning web developer, you believe that learning to ensure that your pages are accessible early on is important. It's always easier to build a page to be accessible than it is to retrofit it later. Learning these skills is the first step down the path so that they become natural. I then created accessible pages and spotted potential pitfalls. Focus areas: -Tools that users use to browse through web pages. -Tools that developers use to ensure accessibility. -Skills for ensuring that your pages are accessible.
Design Patterns & Standards	Secure a .NET web app with the ASP.NET Core Identity framework	Badge	Microsoft	2023-10-17	I learned the following: Add authentication and authorization to a web app using ASP.NET Core Identity, ASP.NET Core's native security framework. -Configure ASP.NET Core Identity support in an existing ASP.NET Core web app. -Provide new user registration capabilities. -Extend

					Identity UI components. -Customize multi-factor login capabilities. -Implement policy-based authorization using claims. -Customize and extend the underlying Identity data store
Design Patterns & Standards	Microsoft Azure Fundamentals: Describe Azure Architecture and services.	Certification	Microsoft	2023-10-17	-Introduced to the core architectural components of Azure. -The physical organization of Azure: datacenters, availability zones, and regions; and about the organizational structure of Azure: resources and resource groups, subscriptions, and management groups. -What is Microsoft Azure. -What can I do with Azure. -Describe Azure physical infrastructure. -Describe Azure management infrastructure. -Describe Azure compute and networking services -Describe Azure virtual machines -Enhance security -Describe Azure containers -Describe Azure functions -Describe application hosting options -Azure App Service -Types of app services -

					Describe Azure virtual networking - Configure network access
Design Patterns & Standards	Create web apps and services with ASP.NET Core, minimal API, and .NET.	Trophy	Microsoft	2023-10-17	<p>Use a database with minimal API, Entity Framework Core, and ASP.NET Core -Being able to serve some data and know how an application or service consumes it. How you build the API might differ vastly between tech stacks. As part of building an API, you know there are parts like data storage, security, versioning, and documentation. Getting all these parts to work can be a complex undertaking.</p> <ul style="list-style-type: none"> <li>-Minimal API by using ASP.NET Core and .NET 6.</li> <li>-What minimal API's are.</li> <li>-Documentation with swagger.</li> </ul> <p>Use a database with minimal API, Entity Framework Core, and ASP.NET Cor -How to add a database to a minimal API application.,</p> <ul style="list-style-type: none"> <li>-Learn how to add Entity Framework Core to a minimal API application.</li> <li>-Persist data to an in-memory datastore.</li> <li>-Persist data to a SQLite database.</li> </ul> <p>Create a full stack application by using React and minimal API for ASP.NET</p>

					Core. -Construct a front-end app by using a single-page application (SPA) framework. - Connect an API in ASP.NET Core to an SPA application. -Configure the back-end application to use cross-origin resource sharing (CORS).
Design Patterns & Standards	Build ASP.NET MVC web applications with the Microsoft Graph .NET SDK	Badge	Microsoft	2023-10-17	How to work with the Microsoft Graph .NET SDK to create an ASP.NET MVC web application to access data in Microsoft 365. - Demonstrate how to create and configure an ASP.NET MVC application to authenticate users and obtain tokens from Azure AD - Demonstrate how to get display a user's events in their calendar -Demonstrate how to use the Microsoft Graph .NET SDK
Design Patterns & Standards	Host a web application with Azure App Service.	Badge	Microsoft	2023-10-17	I learned the following: -How to create a website through the hosted web app platform in Azure App Service. -How to use the Azure portal to create an Azure App Service web app. -How to use developer tools to create the code for a starter web

					application. -How to Deploy your code to Azure App Service.
Design Patterns & Standards	Introduction to the Microsoft Azure Well-Architected Framework	Badge	Microsoft	2023-10-17	I learned how to use key principles throughout architecture, regardless of technology choice, to help: design, build, and continuously improve architecture.
GitHub	Introduction to GitHub	Badge	Microsoft	2023-07-31	Communicate with the project community in issues Manage notifications for project events Create branches to manage work in parallel Make commits to update project source Introduce changes with pull requests Deploy a web page to GitHub Pages
GitHub	Introduction to GitHub in Visual Studio Code	Badge	Microsoft	2023-08-08	Sign in to GitHub by using Visual Studio Code. Use Visual Studio Code to search GitHub for repos. Clone a repo from Visual Studio Code. Publish a local project to GitHub by using Visual Studio Code. View a timeline of activity on a GitHub repo.

Mobile application management	Execute mobile application management	Trophy	Microsoft	2023-11-05	<p>As my ideal career path is "Mobile app development", I took my time to understand how mobile app protection policies are implemented from a company's perspective. You can create mobile app management policies for Office mobile apps that connect to Microsoft 365 services. You can also protect access to Exchange on-premises mailboxes by creating Intune app protection policies for devices with Outlook for iOS and Android-enabled devices with hybrid Modern Authentication. App protection policies aren't supported for other apps that connect to on-premises Exchange or SharePoint services. The App Wrapping Tool is used primarily for internal line-of-business (LOB) apps. The tool is a command-line application that creates a wrapper around the app, which then allows the app to be managed by an Intune app protection policy. When protecting an app provided by an independent software vendor (ISV), it's important to clarify if the ISV will still support</p>
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					<p>the wrapped app. The Intune App SDK is designed mainly for customers who have apps in the Apple App Store or Google Play Store and want to be able to manage the apps with Intune. However, any app can take advantage of integrating the SDK, even line-of-business apps. When apps are used without restrictions, company and personal data can get intermingled. Company data can end up in locations like personal storage or transferred to apps beyond your purview, resulting in data loss. The arrows in the preceding diagram show unrestricted data movement between both corporate and personal apps and storage locations. You can monitor the compliance status of the MAM policies that you've applied to users at the Intune app protection pane in the Azure portal. You can find information about the users affected by the MAM policies, their compliance status, and any issues that your users might be experiencing. The main takeaways from this module are that MAM is</p>
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					a crucial aspect of mobile device management, and it provides comprehensive protection for mobile apps and data without requiring complete device management. App protection policies can be applied to apps running on devices that may or may not be managed by Intune. You can monitor the compliance status of the MAM policies that you've applied to users at the Intune app protection pane in the Azure portal.
Other - Azure DevOps	Within Azure DevOps Facilitate Communication and Collaboration	Trophy	Microsoft	2023-11-03	Building on planning within an industry perspective, continuous planning becomes the linchpin for maintaining a steady flow of functionalities. It involves consistently updating plans and aligning them with dynamic business requirements. Following this, continuous integration takes the reins, implementing the plan and offering valuable feedback on development speed, ensuring a realistic and adaptive strategy. In the realm of DevOps, my commitment to continuously and candidly observing the DevOps process

					<p>emerges as a crucial practice. This allows me to pinpoint potential improvement areas, with continuous collaboration playing a significant role in this ongoing evaluation. The energy derived from continuous collaboration proves to be a catalyst for enhancing the knowledge and outcomes of multiple teams, fostering a culture of innovation that extends beyond planned meetings. Continuous Quality stands out as a pivotal factor in elevating the overall quality of applications. Simultaneously, Continuous Delivery empowers automated propagation of new versions through various environments, allowing for faster releases with reduced costs and risks. This software engineering approach emphasizes the ability to reliably release software at any time, manually or otherwise. The purpose of Continuous Delivery aligns with a company's goal to build, test, and release software swiftly and frequently. It aims to reduce the cost, time, and risk associated with</p>
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					<p>delivering changes, facilitating more incremental updates to applications in production. Achieving Continuous Delivery involves ensuring deployability throughout the software's lifecycle, supported by Continuous Integration and extensive automation across the delivery process through a deployment pipeline. Fostering a quality culture is embodied in the concept of Continuous Quality, driving teams to create superior user experiences, build features aligned with market timing, and enable application characteristics that deliver value faster than they generate technical debt. In the feedback loop, collecting monitoring data is paramount, not only in production but also at each stage of development. Azure Monitor in Azure becomes a valuable tool in this context, providing full-stack observability across applications and infrastructure. Its integration with development tools like Visual Studio and Azure DevOps, along with compatibility with ITSM and SIEM tools,</p>
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					demonstrates its versatility in supporting various aspects of the software development and deployment lifecycle. This comprehensive approach aligns with my goal of continuous improvement and efficiency in industry practices.
Other - Project 1	Agile Software Development	Certification	Mind Luster	2023-11-12	The motivation behind undergoing this training stemmed from my desire to gain a fresh perspective on agile and scrum implementation. Armed with a foundation in basic agile concepts and having already implemented agile practices in CMPG323, I not only used this opportunity to strategize for the specific module but also embarked on a broader journey of planning for my entire semester. This extended to encompass not just academic endeavors like studies, marking, assisting, and tutoring, but also spilled over into managing a life outside academia. Throughout this certificate program, my understanding of agile deepened significantly. I explored diverse approaches to agile and became acquainted

					<p>with various agile platforms such as iceScrum, Zoho Sprints, and Monday.com. Recognizing that there isn't a one-size-fits-all solution, I embraced multiple perspectives to become comfortable with agile implementation. Some key takeaways included:</p> <ul style="list-style-type: none"><li>Agile's Adaptive Nature: Agile is the ability to respond to change based on new requirements or shifts in market conditions.</li><li>Diverse Software Development Methodologies: Explored methodologies like Extreme Programming, the widely popular Scrum, Lean Development, and Feature-Driven Development.</li><li>As my knowledge expanded, I realized that agile implementation extends beyond just organizational structuring. It serves as a versatile tool applicable in various contexts, such as:</li><li>Frequency of Business Values: Utilizing agile for the frequent delivery of business values or working software.</li><li>Smart Code Delivery: Understanding agile's role in delivering code efficiently.</li><li>Delivering Value</li></ul>
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					<p>to End Users: Ensuring the delivery of valuable products, working software, and code to end users. Recognizing the numerous benefits of agile, I observed:</p> <p>Early Software Delivery: Agile facilitates the early delivery of software.</p> <p>Continuous Stakeholder Engagement: Maintains continuous engagement with stakeholders.</p> <p>Transparency: Provides transparency, with sprint planning informing who did what and when.</p> <p>Embracing Change: Agile embraces change and adapts to evolving requirements.</p> <p>Focus on Business Values and End Users: Prioritizes business values and end-user needs.</p> <p>Improved Quality: Contributes to improved software quality.</p> <p>This journey not only enhanced my understanding of agile but also instilled a comprehensive approach to planning and adapting, both academically and in life beyond the classroom.</p>
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Other - Project 2 Related	Deploy and update applications	Trophy	Microsoft	2023-11-04	To enhance my expertise in deploying applications with Azure, I took a deeper dive into leveraging Intune and Configuration Manager, two robust management tools. This exploration extended to deploying applications through group policy, a fundamental technique for exerting control and management over networked systems. Additionally, I delved into deploying apps using Microsoft Store Apps, broadening my comprehension of diverse application distribution methods. My overarching objective is to be thoroughly equipped to proficiently manage and maintain a spectrum of applications across the organization by mastering these multifaceted deployment approaches. Gaining a better understanding of how companies use Microsoft Intune to manage client apps is important, as this functionality is in addition to managing devices and protecting data. The Microsoft Intune app lifecycle begins when an app is added and
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					<p>progresses through additional phases until you remove the app. I learned that the first step in app deployment is to identify the apps you want to manage and assign, and add them to Intune. You can then assign it to users and devices that you manage. Intune makes this process easy, and after the app is deployed, you can monitor the success of the deployment from Intune within the Microsoft Intune admin center. As part of the app lifecycle, new versions of apps are regularly released. Intune provides tools to easily update apps that you've deployed to a newer version. Additionally, you can configure extra functionality for some apps, for example: iOS app configuration policies supply settings for compatible iOS apps that are used when the app is run. Eventually, the apps that you deployed will likely become outdated and need to be removed. Intune makes it easy to retire apps from service. With the Configuration Manager client deployed on a device, instead of using</p>
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					<p>Group Policy, you can use the inbuilt functionality of Configuration Manager to manage application deployment. This will provide you with more flexibility and control for managing the application estate. Both approaches follow the same workflow, and, like Group Policy, Configuration Manager doesn't manage preparation; however, Configuration Manager can manage the other elements of the lifecycle. What I found interesting was using Microsoft Store apps with Intune can simplify the process by providing a centralized platform to manage app deployment and updates. This integration enables administrators to easily browse, deploy, and manage apps for all devices enrolled in their organization. The automatic app update feature also eliminates the need for manual updates, reducing the burden on administrators. Additionally, Intune provides granular controls for managing app assignment and licensing, ensuring that only authorized</p>
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					<p>users have access to specific apps. In summary, using Microsoft Store apps with Intune simplifies deploying and managing apps, reducing the workload on administrators and ensuring a streamlined and efficient app management process. The importance of keeping apps updated can't be overstated, as it plays a crucial role in maintaining digital products' security, stability, and overall user experience. Regular updates ensure that users enjoy the most current and optimized version of the app and protect them from potential cyber threats, as updates often include critical security patches that safeguard user data and privacy. Moreover, outdated apps may become incompatible with evolving operating systems or other software components, which could lead to performance issues or even application crashes. Users can benefit from an optimal digital experience while safeguarding their devices and personal information by</p>
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					prioritizing app updates. After you've added an app to Microsoft Intune, you can assign the app to users and devices. It's important to note that you can deploy an app to a device whether or not the device is managed by Intune.
Other - Project 2 related	Build serverless, full stack applications in Azure	Trophy	Microsoft	2023-11-03	To enhance my Azure proficiency, I set out on a personal challenge to elevate my skills by delving into the creation, building, and deployment of modern full-stack applications in Azure. The chosen language for this venture was .NET, accompanied by a Vue.js frontend. While I possessed a foundation in Azure and had prior experience with deploying applications, the introduction of Vue.js presented an entirely new landscape for me. Undeterred by the unfamiliarity, I embraced the challenge as an opportunity to fortify my understanding and elevate my full-stack application skills. This initiative not only expanded my Azure capabilities but also served as a platform for me to immerse myself in the intricacies of Vue.js. The

					endeavor was not just about learning a new framework but a concerted effort to improve and diversify my skill set in the realm of full-stack application development. Learning objectives Focus areas: *Build a foundation for applications with Azure SQL Database. *Demonstrate modern database capabilities with Azure SQL Database. Azure SQL Database has native JSON support, which helps in reducing the amount of code needed to manipulate data sent and received with the database. With Azure SQL, it's also easy to access static data—like the route information provided by the GTFS standard—that can be stored in an Azure Blob Storage account. Azure Functions is a great service because its serverless nature autoscales to what you need, leaving almost all infrastructural aspects to Azure Functions. Azure Logic Apps has a large number of connectors so you can integrate with other services. As both the client and back-end parts are needed to make the
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						visualization page work, you can take advantage of Azure Static Web Apps. Azure Static Web Apps makes it easy to develop and deploy the solution because it combines the capabilities of Azure Web Apps and Azure Functions, plus it has integration with GitHub Actions built-in. Getting the timing right of heading to the bus stop is a challenge that most can relate to. The first step in architecting a solution involves building a strong foundation for the application with a database. Azure SQL Database is a modern database with the capabilities required for modern applications like catching the bus. Azure SQL Database supports JSON, geospatial, and GitHub Actions.
Other Project 1: Choose an Agile approach to software development.	Choose an Agile approach to software development - Get started with Azure DevOps	Trophy	Microsoft	2023-11-01	Defining the Term Agile: Understanding agile not just as a buzzword but as a dynamic methodology. Making Recommendations for Incorporating Agile Practices: Beginning to offer valuable insights on how to integrate agile practices into organizational workflows. Creating a	

					<p>Project in Azure DevOps: Practical application by setting up a project in Azure DevOps. Adding Work Items to Azure Boards: Utilizing the Basic process to populate Azure Boards with work items. In delving into what companies value with agile implementation, key principles were highlighted: Individuals and interactions over processes and tools. Working software over comprehensive documentation. Customer collaboration over contract negotiation. Responding to change over following a plan. However, the realization dawned that while creating a personal scrum implementation or applying it to individual studies might be straightforward, scaling it up to encompass an entire team or multiple teams within a company introduces complexities. Agile adoption, especially for traditional organizations, demands a substantial mindset and culture shift, challenging existing policies and processes. The contrast between horizontal and vertical</p>
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					<p>team structures became apparent, with the latter aligning more effectively with Agile projects by spanning the architecture and aligning with product outcomes. A crucial takeaway was the significance of knowing team members intimately, understanding the surroundings, and fostering effective collaboration. Moving beyond individual task execution, the emphasis shifted to the ability to articulate actions clearly and communicate ideas effectively. In the initial stages of Agile adoption, companies might enlist external coaches, but the ultimate goal is for team members to evolve into mentors for each other. Collaborative work takes precedence, reducing reliance on isolated efforts. Equally important is the inter-team collaboration, with cross-functional teams enriching problem-solving capabilities and fostering a cohesive organizational environment. Azure Boards in Azure DevOps emerged as a valuable tool for planning and prioritizing work. The exercise</p>
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					of planning work using Azure Boards involved creating a DevOps project, providing hands-on experience beyond the conventional usage of GitHub. This exploration aimed to grasp the intricacies of an agile implementation in a collaborative setting with added team members, adding depth to my understanding beyond the familiar GitHub landscape.
Power BI	Perform Analytics in Power BI	Badge	Microsoft	2023-10-12	Perform analytics in Power BI -How to use Power BI to perform data analytical functions. -How to identify outliers in your data, how to group data together. -How to bin data for analysis. You'll also learn how to perform time series analysis. -How to work with advanced analytic features of Power BI, such as Quick Insights, AI Insights, and the Analyze feature. -1. What Power BI feature can give an in-depth analysis of the distribution of data. -2. Where are time series charts located. -3. What visual should be used to display outliers.

Power BI	Introduction to Power BI	Trophy	Microsoft	2023-10-13	<p>Introduction to Power BI administration:</p> <ul style="list-style-type: none"> <li>- Understand Power BI licensing and environment management, including the responsibilities of an administrator and setting up a Power BI tenant.</li> <li>- Establish a Power BI environment -A Power BI environment is established through the Office 365 admin center and lives within Office 365 containers. The environment consists of Office 365, Azure Active Directory, and Power BI. Azure Active Directory (AAD) provides the backbone of the environment because it's where you create users and assign licenses using AAD functionality.</li> <li>- Provide governance in a Power BI environment -Power BI governance is a set of rules, regulations, and policies that define and ensure the effective, controlled, and valuable operation of a BI environment.</li> <li>- Facilitate collaboration and sharing in Power BI -Understand the differences between My workspace, workspaces, and apps</li> <li>- Describe new</li> </ul>
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					workspace capabilities and how they improve the user experience -Anticipate migration impact to Power BI users -Share, publish to the web, embed links and secure Power BI reports, dashboards, and content
Source Control	Introduction to Git	Badge	Microsoft	2023-07-30	<p>Introduction to Git</p> <p>Learn what version control is. Understand distributed version control systems. Create a new Git Project and configure it. Make and track changes to code using Git. Use Git to recover from simple mistakes.</p> <p>Version control</p> <p>Is a program or set of programs that track changes to a collection of files. One Goal of VS is to easily recall earlier versions of individual files or of the entire project.</p> <p>Distributed Version Control:</p> <p>Git is distributed, which means that a project's complete history is stored both on the client and on the server.</p> <p>Git Terminology:</p> <p>Working tree</p> <p>Repository</p> <p>Hash Object</p> <p>commit branch remote Commands, Subcommands, and Options</p> <p>The Gui command Line</p> <p>Git and GitHub:</p> <p>Git is a distributed version control system that</p>

					multiple developers and other contributors can use to work on a project. GitHub Is a cloud platform that uses Git as its core technology. Key Features: Issues, Discussions, Pull Requests, Notifications, Labels, Actions, Forks, and Projects. Get Help from Git: Has a built-in help function that you can use to look up commands and keywords. Basic Git Commands: Git works by remembering the changes to your files as if it's taking snapshots of your file system. Git Status: Used to see that you had initialized your Git repo properly. Git Add Command: You use this to tell Git to start keeping track of changes in certain files. Git Commit: After you've staged some changes for commit, you can save your work to a snapshot by invoking the git commit command. Git Log: Command allows you to see information about previous commits.
Source Control	How to Create and Modify a Git Project	Badge	Microsoft	2023-07-30	How to create a new Git Project. Understand how to track changes in Git.

Source Control	Collaborate with Git	Badge	Microsoft	2023-08-04	Clone a repository Push changes to a remote repository Stash changes Pull changes from other users to update a repository
Source Control	Edit code through branching and merging Git.	Badge	Microsoft	2023-08-04	Learn how branches work in Git. Create new branches and switch between branches. Merge branches together. Learn basic techniques for resolving merge conflicts.
Source Control	Introduction to version control with Git	Trophy	Microsoft	2023-08-04	Git is the leading version control tool, and it's essential for developers. How to use Git to track your own changes and collaborate with others.
UiPath	RPA Test with Studio	Certification	UiPath	2023-10-18	-Describe the importance of RPA Testing for continuous development and testing of automations. -Understand about the different test suite components, their integrations and different testing activities. -Understand the working of test cases and how to create them directly from the existing workflow. -Explore the dedicated verification features for RPA Testing. -Understand how

					<p>to auto-generate random test data using the activities from the Testing package. -Identify the differences between basic and data-driven test cases and when to use each of them. -Learn how to create dynamic data-driven test cases using the test data queues in Orchestrator. -Explore how to add, update, and remove data sets from a data-driven test case. -Explain mocking and differentiate between test cases and test cases with mock activities.</p>
UiPath	Explore Automation Development with UiPath Studio	Certification	UiPath	2023-10-18	<p>Explain what the Automation Explorer learning path is. Identify the UiPath products that empower enterprises for end-to-end automation. Describe how the UiPath core components (Studio, Orchestrator and Robot with Assistant) work together. Use Studio to create a new project and publish to Orchestrator. Use UiPath Assistant to run the newly published process. Access the UiPath Community ecosystem.</p>

UiPath	DataTables and Excel Automation with Studio.	Certification	UiPath	2023-10-18	I had fun learning this concept as it helped me understand the whole automation process: -Different ways to work with Excel and associated files. -Variable meant for working with Excel files and databases, the DataTable -Create, customize and populate DataTable variables. -Use the most common methods for DataTable manipulation. - Differentiate between the categories of activities used when working with Excel files: Workbook activities and Excel App Integration activities. -Use specific modern design activities to work with Excel files (to read data, write data, save files, and so on).
UiPath	RPA and Testing	Certification	UiPath	2023-10-18	Variables, Constants and Arguments in Studio: -Create and configure variables in an automation project. -List the most common data types used in UiPath Studio and explain the conversion methods used for them. -Create arguments in an automation project. -Explain what arrays are and why they are useful. Build my First Process with Studio: -Locate and describe the key

					<p>components of the UiPath Studio user interface.</p> <ul style="list-style-type: none"> <li>-Build a new automation process in Studio.</li> <li>-Use Studio's debugging capabilities to identify what caused our workflow to not work as expected.</li> <li>-Publish a process to Orchestrator from Studio.</li> <li>-Run a published process with UiPath Assistant.</li> </ul>
UiPath	Introduction to Automation	Diploma	UiPath Academy	2023-08-18	<ul style="list-style-type: none"> <li>* The core aspects of automation.</li> <li>* Practical benefits for your organization, and understand different human-robot collaboration scenarios.</li> <li>* Started off with the basics of automation. <ul style="list-style-type: none"> <li>- What is automation.</li> <li>-How can automation help me?</li> <li>-How do I team up with a robot?</li> <li>-Configure your first automation</li> <li>-How can automation fit into business?</li> <li>-How do I identify automation opportunities?</li> <li>-Created a simple automation project in Studio Web using templates.</li> <li>Assess the applicability of automation for personal tasks and identify potential tasks/processes from daily work that can be automated.</li> </ul> </li> </ul>

UiPath	Introduction to Automation	Certification	UiPath	2023-08-18	-What Robotic Process Automation is, its benefits, and how it can be used to automate repetitive tasks and processes. - How to create a simple automation workflow using UiPath Studio. Involving automating tasks like data entry, form submissions, or file operations. -The concept of activities in UiPath and how they represent individual steps or actions within an automation process.
Web API	Creating Document	API	Certification	LinkedIn	2023-08-16 -I effectively learned what an API is, its purpose, and how it fits into the broader system or framework. -How to authenticate and authorize requests to access the API. This includes details about API keys, tokens, OAuth, and other security mechanisms. - Available endpoints, their paths, and the HTTP methods (GET, POST, PUT, DELETE, etc.) associated with each endpoint. -Structure of requests you need to make, including headers, parameters, and payload format (usually JSON or XML). They also describe the expected format of

						responses. - How to integrate APIs into your applications or build your own APIs. -Best practices in API development, security, performance optimization, and error handling.
Web API	Learning API's	REST	Certification	LinkedIn	2023-08-16	-What a Rest API is. -Six Constraints of REST. -How REST relates to HTTP. -How resources are identified using URLs (Uniform Resource Locators) and how different parts of a URL represent different aspects of a resource. -How to represent resources using different data formats, such as JSON (JavaScript Object Notation) and XML (eXtensible Markup Language). -The concept of statelessness in RES. -How to perform Create, Read, Update, and Delete operations on resources using appropriate HTTP methods. - the significance of various HTTP status codes, such as 200 OK, 201 Created, 404 Not Found, and 500 Internal Server Error.

Web API	Microsoft Azure Fundamentals: Describe cloud concepts	Trophy	Microsoft	2023-08-19	Microsoft Azure Fundamentals that teaches a three-part series:Basic cloud concepts, provides a overview of many Azure services and guides with hands-on exercises to deploy my very first services for free.
Web API	Describe cloud service types	Badge	Microsoft	2023-08-19	-Describing Infrastructure as a Service (IaaS). -Describing Platform as a Service (PaaS). -describing Software as a Service (SaaS). -Identifying appropriate use cases for each cloud service (IaaS, PaaS, SaaS).
Web API	Describe the benefits of using cloud services	Badge	Microsoft	2023-08-19	-Describing the benefits of high availability and scalability in the cloud. -Describing the benefits of reliability and predictability in the cloud. -Describing the benefits of security and governance in the cloud. -Describing the benefits of manageability in the cloud.
Web API	Consume REST web services in .NET MAUI apps	Badge	Microsoft	2023-08-19	-Detecting if my device is connected to the internet -Consuming a REST web service by using HttpClient -Taking advantage of the native networking stacks while using HttpClient

Web API	Microsoft	Badge	Microsoft	2023-08-19	-Creating a web API project with ASP.NET Core controllers. -Creating an in-memory database for persisting products. -Adding support for CRUD operations. -Testing web API action methods from the command shell.
Web API	Introduction to Azure database administration	Trophy	Microsoft	2023-08-19	-The role of a database administrator on Azure. -Describing SQL Server-based offerings on Azure.
Web API	Describe cloud computing	Badge	Microsoft	2023-08-19	-Defining cloud computing. -Describing the shared responsibility model. -Defining cloud models, including public, private, and hybrid. -Identifying appropriate use cases for each cloud model. -Describing the consumption-based model. -Comparing cloud pricing models.

### 3 Project Results

The students were equipped with project briefs for five projects that aimed to guide them through the end-to-end journey of the development lifecycle – from planning to reporting. Each project was assessed individually, according to specific criteria and the results of each project are captured below:

Project	Result
Project 1: Agile	100%
Project 2: Web API	89%
Project 3: Patterns & Standards	0%
Project 4: RPA & Testing	106.36%
Project 5: Reporting & Monitoring	82.79%

Table 3-1: Project Results

Based on the performance detailed above, the student has a participation mark of 94.53%. The participation mark for CMPG323 is subject to the following calculation as part of the module mark:

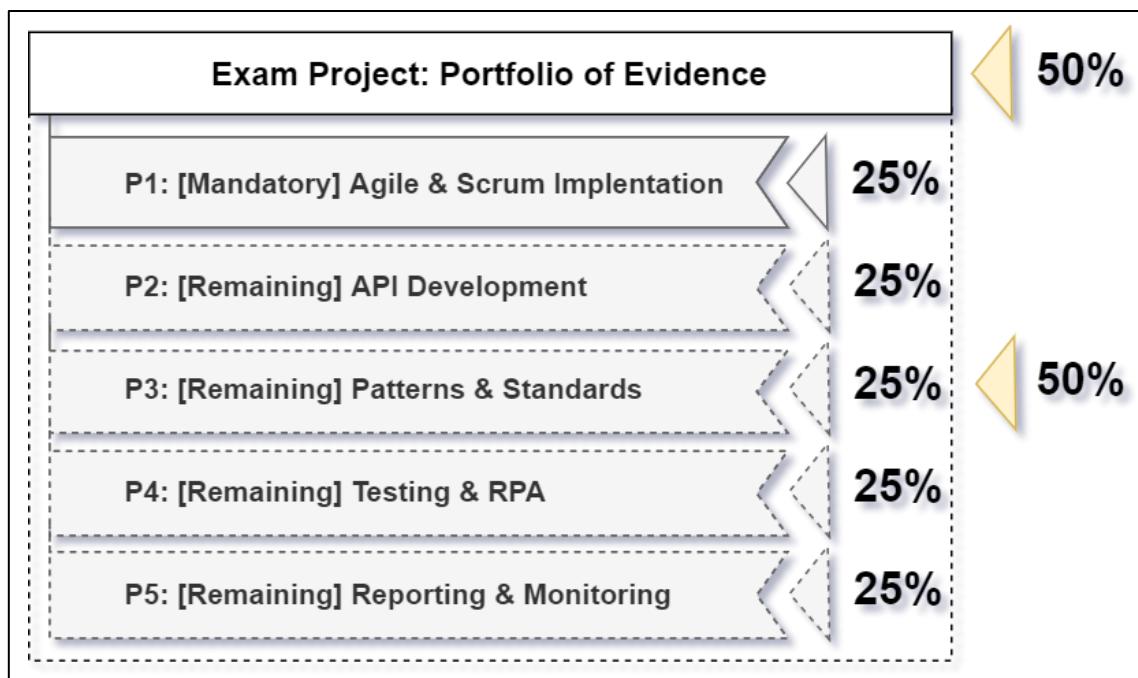


Figure 3-1: Module Mark Calculation

🌐 💬 🚀 Welcome to the CMPG323 Student Hub on Microsoft Teams 🌐 💬 🚀 🔎 💭 💬 💬 💬

This screenshot shows the Microsoft Teams Chat interface for the 'CMPG323 weekly virtual class' channel. The left sidebar includes links for Activity, Chat (selected), Teams, Calendar, Add Team, Calls, Files, Apps, and Help. The main chat area shows a pinned message from Najmah Abraham (@You) stating: "That POE is not final. Mams going to generate the poe again." Below it, Jacqui Muller (@JM) replies: "You: hey mam, I fixed it now. Tha...". S Mthethwa (@SM) responds: "I understand that very well ma'a...". Marijke Coetze (@MC) replies: "You: as we are using the pro... External". Tendani Archibold (@TA) replies: "Hey, Najmah Abraham . I hope y...". FNAS + FENG DL Training (@FNAS) replies: "Recording is ready". The right sidebar displays user information for Najmah Abraham (NA) and a sign-out link.

This screenshot shows the Microsoft Teams Chat interface for the 'CMPG323 weekly virtual class' channel. The left sidebar includes links for Activity, Chat (selected), Teams, Calendar, Add Team, Calls, Files, Apps, and Help. The main chat area shows a pinned message from Najmah Abraham (@You) stating: "That POE is not final. Mams going to generate the poe again." Below it, Jacqui Muller (@JM) replies: "You: hey mam, I fixed it now. Tha...". S Mthethwa (@SM) responds: "I understand that very well ma'a...". Marijke Coetze (@MC) replies: "You: Hey Mam, could you kindly ...". Tendani Archibold (@TA) replies: "Hey, Najmah Abraham . I hope y...". FNAS + FENG DL Training (@FNAS) replies: "Recording is ready". On the right, there is a 'Join' button, a participant count of 185, and a three-dot menu icon.

**Chat** Join 185

Najmah Abraham (You) ...

Some people in this chat are outside your org. It's possible they have message-related policies that will apply to the chat. [Learn more](#)

Najmah Abraham That POE is not final. Mams going to generate the poe again. 31/10/2023 ...

B3 I have a problem with my NWU credentials unfortunately 27/07 10:05

Marijke Coetzee makes sure you fix it as all forms are exposed in this way 27/07 10:05

Brian Du Plessis studentnum@mynwu.ac.za and the password is your efundi password 27/07 10:05

JM You: hey mam, I fixed it now. Tha... 19/10

SM I understand that very well ma'a... 18/10

JM You: as we are using the pro... External 06/10

Marijke Coetzee You: Hey Mam, could you kindly ... 06/10

CMPG 222 Class Seipati: 38035677 SL Moroeng 15/09

Semester Test Preparation Recording is ready 14/09

Wp Wcp Phinzi Hey, Najmah Abraham . I hope y... 14/09

JP Can slides be uploaded before the class if possible? Helps with note taking. 27/07 10:06

In review: The team checks your work, do we add it and review our own work? 27/07 10:09

Marijke Coetzee 27/07 10:10

**Chat** Join 185

Najmah Abraham (You) ...

Some people in this chat are outside your org. It's possible they have message-related policies that will apply to the chat. [Learn more](#)

Najmah Abraham That POE is not final. Mams going to generate the poe again. 31/10/2023 ...

generate swagger 31/08 09:39 Edited

I'm getting this: HTTP Error 500.30 - ASP.NET Core app failed to start

**Common solutions to this issue:**

- The app failed to start
- The app started but then stopped
- The app started but threw an exception during startup

**Troubleshooting steps:**

- Check the system event log for error messages
- Enable logging the application process' stdout messages
- Attach a debugger to the application process and inspect

For more information visit: <https://go.microsoft.com/fwlink/?LinkId=2028265>

**Chat** Join 185

Najmah Abraham (You) ...

Some people in this chat are outside your org. It's possible they have message-related policies that will apply to the chat. [Learn more](#)

Najmah Abraham That POE is not final. Mams going to generate the poe again. 31/10/2023 ...

When I publish my project I get this: Web App was published successfully <https://project12348547920230827133858.azurewebsites.net/>

```
=====
Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped =====
=====
Build started at 9:45 AM and took 02:10.839 minutes =====
=====
Publish: 1 succeeded, 0 failed, 0 skipped =====
=====
Publish started at 9:45 AM and took 02:10.842 minutes =====
A call to warmup your site failed with response code: 'InternalServerError'.
```

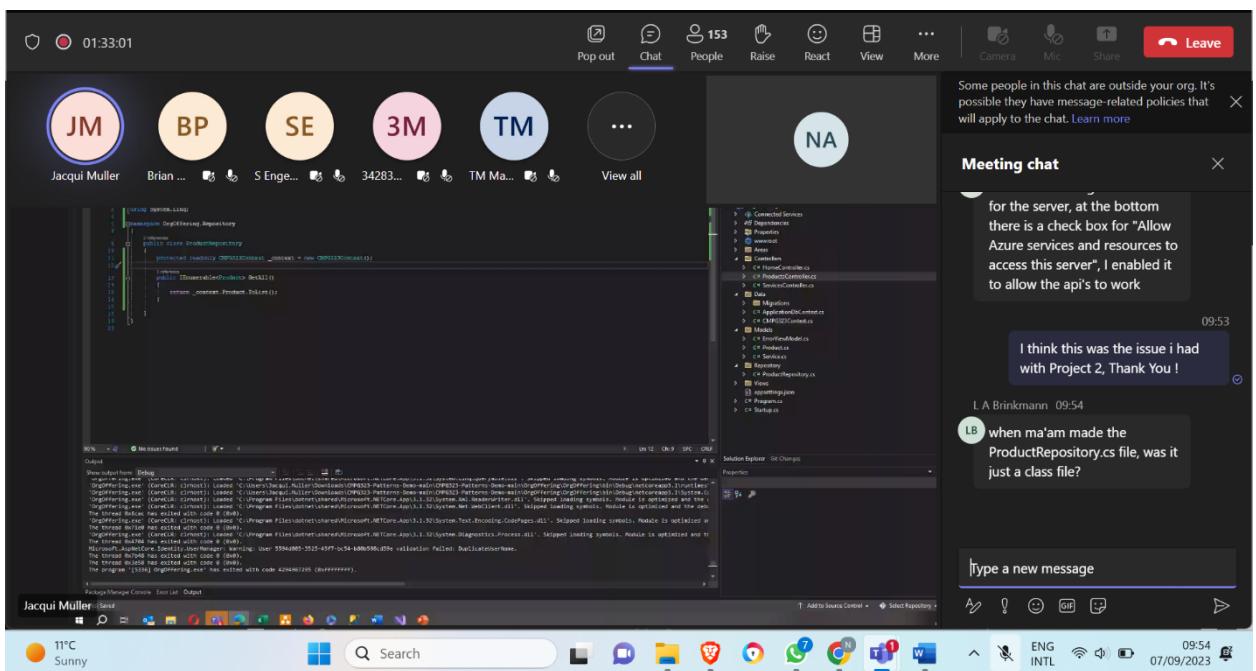
Renzia Van Der Walt 31/08 10:03

RW everyone with cmpg 322 PC should check the semester schedule on efundi for details on the test 1 make up 31/08 10:03

Jacques Blaauw 31/08 10:03

JB you didn't add the 2 lines to your project.cs 31/08 10:03

Nico Deng 31/08 10:03



Name	First join	Last leave	In-meeting duration	Role
NA	08:40	09:14	33m 53s	Organiser
JM	09:02	09:14	11m 30s	Presenter
SN	09:06	09:14	7m 35s	Presenter

**CMPG323 weekly virtual class**

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NA Najmah Abraham (You) 31/10/2023 10:15  
That POE is not final. Mams going to generate the poe again.

LT Ma'am I'm having an error when publishing to Azure, what could possibly be the problem? 31/10/2023 10:15  
Micheal Ackermann 31/08/2023 10:15  
Nico Deng 31/08/2023 10:15  
Go look at your publish settings there is a checkbox you must check i think  
where is this in my azure?

MA Micheal Ackermann 31/08/2023 10:15  
I have done research and everything is pointing to my connectionString, but my connection string is working 100%  
Are you using the Azure database connection string?

NA Semester Test Preparation 14/09/2023 10:15  
Recording is ready

Wcp Phinzi 14/09/2023 10:15  
Rev. Naimah Abraham .. I hope v...

**CMPG323 weekly virtual class**

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NA Najmah Abraham (You) 31/10/2023 10:15  
That POE is not final. Mams going to generate the poe again.

JM You: hey mam, I fixed it now. Tha... 19/10/2023 10:15  
Jacqui Muller 19/10/2023 10:15  
You: hey mam, I fixed it now. Tha...

SM S Mhetwa 18/10/2023 10:15  
I understand that very well ma'a...

JM You: as we are using the pro... External 06/10/2023 10:15  
Jacqui Muller 06/10/2023 10:15  
You: as we are using the pro... External

Marike Coetzee 06/10/2023 10:15  
You: Hey Mam, could you kindly ...

CMPG 222 Class 15/09/2023 10:15  
Selipati: 38035677 SL Moroeng

Semester Test Preparation 14/09/2023 10:15  
Recording is ready

Wcp Phinzi 14/09/2023 10:15  
Rev. Naimah Abraham .. I hope v...

RP Rg Preston 07/09/2023 09:51  
Sorry the repo is private will fix that

TM Traz Mocke 07/09/2023 09:52  
in the networking tab on azure for the server, at the bottom there is a check box for "Allow Azure services and resources to access this server", I enabled it to allow the api's to work

Traz Mocke 07/09/2023 09:53  
I think this was the issue i had with Project 2, Thank You !

**CMPG323 weekly virtual class**

Some people in this chat are outside your org. It's possible they have message-related policies that will apply to the chat. [Learn more](#)

NA Najmah Abraham (You) 31/10/2023 10:15  
That POE is not final. Mams going to generate the poe again.

L A Brinkmann 12/10/2023 12:16  
Do we read from Orderdetails as its not on the website ?

LB L A Brinkmann 12/10/2023 12:16  
Yea, you gotta add to the top area to access it. ./OrderDetails i think

LB L A Brinkmann 12/10/2023 12:21  
Where is it on this website?

L A Brinkmann 12/10/2023 12:21  
You gotta add it to the hotbar to access it

Wcp Phinzi 14/09/2023 10:15  
Rev. Naimah Abraham .. I hope v...

**CMPG323 weekly virtual class**

Some people in this chat are outside your org. It's possible they have message-related policies that will apply to the chat. [Learn more](#)

Najmah Abraham 17/10/2023 15:22  
Lol I saw that mam updated the web app yesterday.

Jacqui Muller 17/10/2023 15:48  
I had managed to make it work hence I said it's there

Najmah Abraham 16/10/2023 16:58  
Good day Mam, I have realized that the logic in your website is somewhat bugged and the app is not working like it's supposed to....

Good day, I hope you are well. The purpose of this project is to execute user acceptance testing on a webapp. That means when something fails, it should be logged. It does not mean that every web application will be completely successfully created. As it often goes in industry. The page is not hidden. A tab has been added to the navigation for it.

Thuske Dakile 17/10 15:50

Najmah Abraham 17/10/2023 15:22  
That POE is not final. Mams going to generate the poe again.

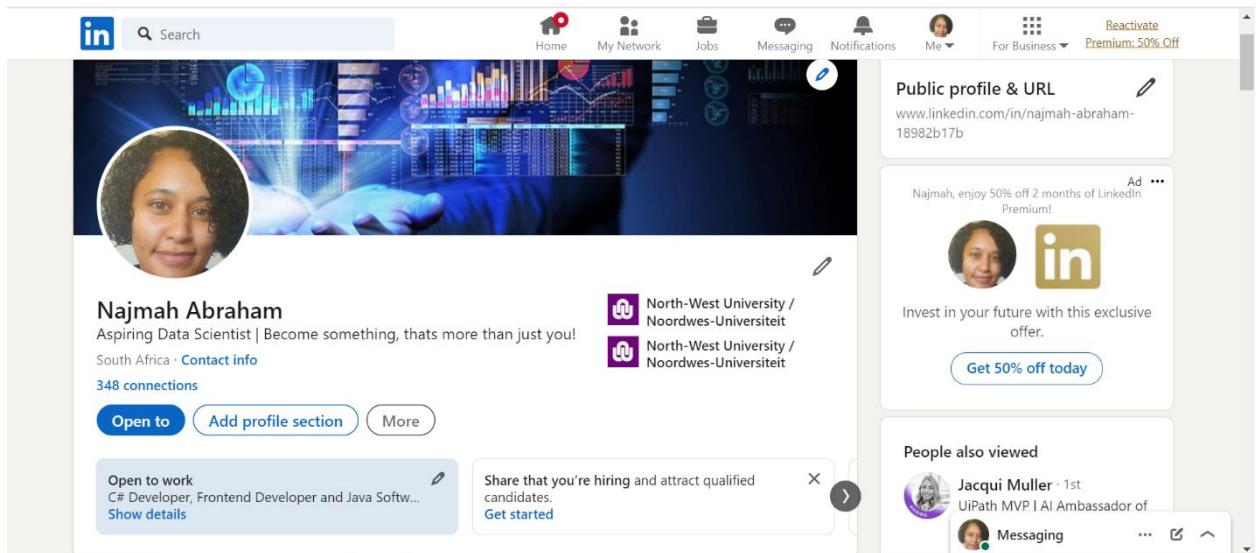
Jacqui Muller 17/10/2023 15:48  
atleast one per concept encapsulated in the projects but we encourage you to do as many as you need to understand the concept to an advanced level

Faith Mashaba 03/08 09:46  
Regarding screenshot : proof of community engagements ,should it be for each project?

Jacqui Muller 03/08 09:47  
Do wee need to have completed atleast 1 or a specific certification for Project 1?

Jacqui Muller 03/08 09:47  
Not necessarily. It would be a good idea to join stackoverflow, uipath forum and the Microsoft forum/user

🌐💼🤝💬🌟 Welcome to the LinkedIn Community Hub 🌐💼🤝💬🌟



The image shows a screenshot of a LinkedIn profile page. At the top, there's a navigation bar with icons for Home, My Network, Jobs, Messaging, Notifications, Me, For Business, and Premium: 50% Off. Below the navigation bar is a banner featuring a woman's profile picture and a background of a hand interacting with a futuristic interface displaying various charts and graphs.

**Najmah Abraham**  
Aspiring Data Scientist | Become something, that's more than just you!  
South Africa · [Contact info](#)  
348 connections

[Open to](#) [Add profile section](#) [More](#)

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**Public profile & URL**  
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.NET .NET Developers

Hello! Just wrote this post about the changes to identity, authentication, and authorization in .NET 8. Includes where we're at, code samples for Web API and Blazor, and a link to our plans and progress to improve documentation. ...see more

**Improvements to auth and identity in ASP.NET Core 8**

**.NET**

What's new with identity in .NET 8 - .NET Blog  
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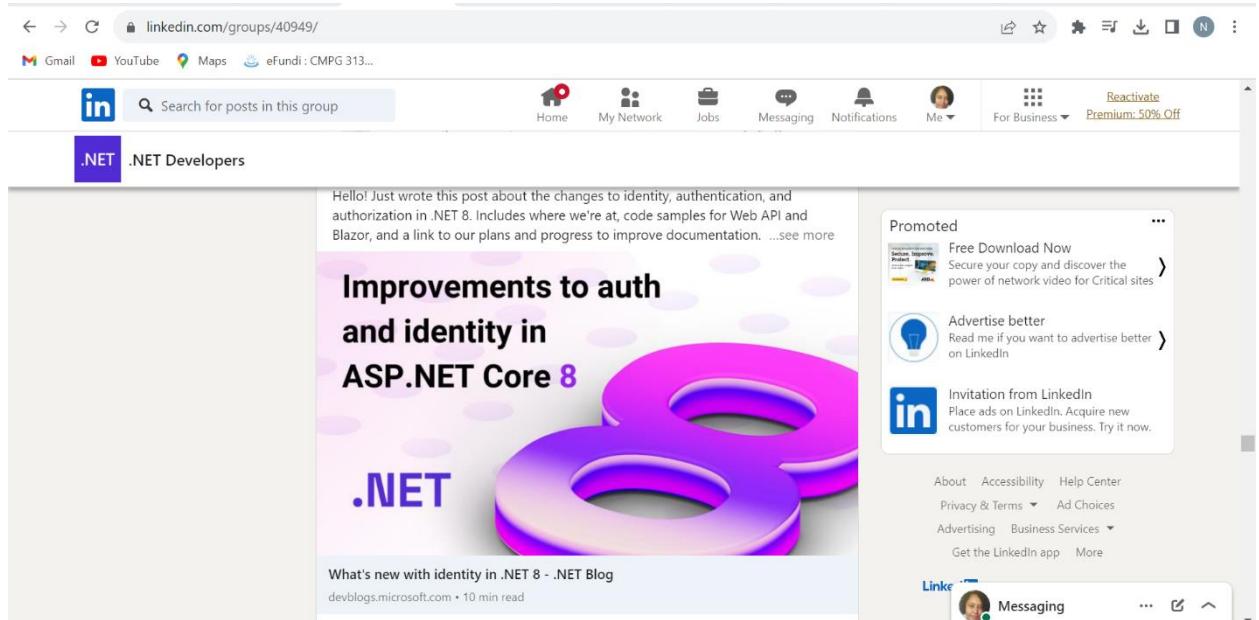
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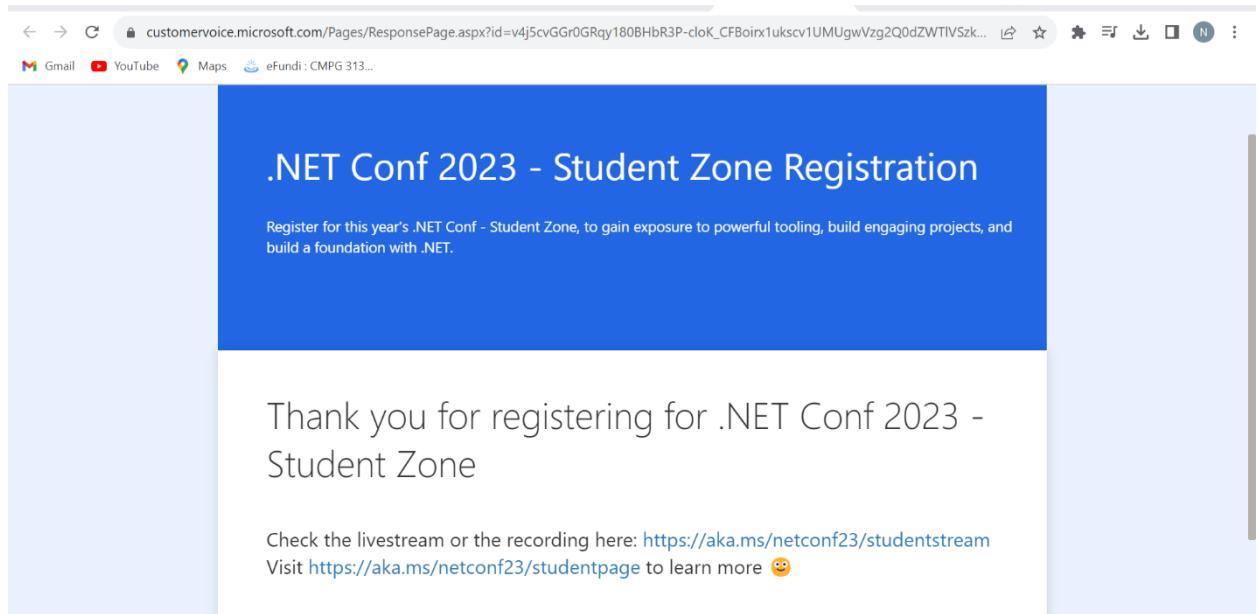
customervoice.microsoft.com/Pages/ResponsePage.aspx?id=v4j5cvGGr0GRqy180BhR3P-cloK\_CFBoirx1ukscv1UMUugwVzg2Q0dZWtIVSz...  
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Visit <https://aka.ms/netconf23/studentpage> to learn more 😊



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CMPG 323 - Class of 2023

Najmah Abraham • You  
Bsc Information Technology  
3mo

Do you need help selecting courses to prepare for Project 2?  
Have a quick look at the available courses:

Do you know enough about APIs as a Product Manager? Quick test: What does "API" stand for? Don't know? No worries! Here's a list of 13 FREE course ...see more

4 comments

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439 impressions

Add a comment...

Ramolapong Dichabe • 2nd  
1mo ...

Thank You So Much

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CMPG 323 - Class of 2023

Najmah Abraham • You  
Bsc Information Technology  
3h

Hey fellow students , this is a great platform to get yourself out there, let people know that you are a graduate, share your LinkedIn profile. Start engaging with people beyond South Africa!Have fun!

Important meetups in UiPath Community this week:

- Warsaw UiPath Community Chapter meetup - a deep dive into the MVP Program for our Polish Community, led by our very own Polish MVPs!!
- UiPath MVP 2024 - Wszystko co musisz wiedziec (PL)
- Tu, Nov 14, 17:30 CET
- Register here: <https://bit.ly/3FMmyID>
- Our speakers: Kamil Misko Konrad Mierzwa Marta Miąsko

We hit the START button today (you can still sign up) on the much awaited:

- Business Analyst Series 2023 (EN)
- Mon, Nov 13 & Wed, Nov 15, 10:00 EST, 16:00 CET, 20:30 IST
- Register here: <https://lnkd.in/daAP6Sx>
- This weeks' trainers: Mukesh Kala, Anurag Upadhyay, Dan Fishkin,

Leadership Think Tank 920,069 members

Data Scientist & Analyst 758,666 members

Show all →

FT Event | 21 Nov Strategies to improve cancer care and prevention across the Middle East.

Messaging

This screenshot shows the LinkedIn Learning platform's Q&A section for a video titled "What is a REST API?". The video player at the top indicates it's at 0:01 / 4:36. The Q&A tab is selected. A text input field says "Ask here to share with learners, experts and others" with a blue "Ask" button. Below it, a section titled "Looking for technical assistance?" offers help with certificates, with a "Get Help" button. A user profile for "Najmah Abraham" is shown, along with a snippet of her answer about designing a logistics management system using a RESTful API.

This screenshot shows the LinkedIn Learning platform's Q&A section for a video titled "Welcome". The video player at the top indicates it's at 0:00 / 0:17. The Q&A tab is selected. A text input field says "Ask here to share with learners, experts and others" with a blue "Ask" button. Below it, a section titled "Looking for technical assistance?" offers help with certificates, with a "Get Help" button. A user profile for "Najmah Abraham" is shown, along with a snippet of her answer about ASP.NET Core MVC differences from traditional ASP.NET.

This screenshot shows the LinkedIn "My Network" page. On the left, a sidebar lists network management options like Connections (349), Contacts (424), Following & followers, Groups (5), Events, Pages (47), Newsletters (12), and Hashtags. A promotional message for LinkedIn Premium is visible. The main area shows a list of invitation requests:

- Ryan Schmidt: RPA Developer at Generac Power Systems. Actions: Ignore (button), Accept (button).
- Ivona de Carvalho, DASM: Intelligent Automation Enablement Lead | Process Automation & Improvement ... (with 1 mutual connection). Actions: Ignore (button), Accept (button).
- Vibhor Shrivastava: UiPath Evangelist | Community Advocacy | Empowering Automation Advocates ... (with 1 mutual connection). Actions: Ignore (button), Accept (button).

A "Job search smarter" callout encourages Premium subscribers to apply for jobs.

# Welcome to the Microsoft Community Hub

Microsoft | Community Products Get Started Buy Microsoft 365 All Microsoft  



Najmah Abraham  
34385479@mynwu.ac.za

Member since 8/30/2023

About me:  
The community would like to get to know you: your interests, your certifications, your areas of expertise. Click [Edit profile](#) to tell us about yourself.

[Edit Profile](#)  
[View private messages](#)

Posts & Activities Stats

Filter By Keyword(s)

Posts & activity filters

Content Type Products

Status My Activity Post Activity Replied Date View Results

Applied Filters: [Post Activity: Threads with replies](#)

An error occurred while accessing the Microsoft.Extensions.Hosting services.  
Last reply August 30, 2023 by Gérard Oomens | Created August 30, 2023 by Najmah Abraham

I am using Visual Studio, with a database from Microsoft Azure and I am using swagger to run this API.However I am getting this error after adding authentication to my code.-Authentication to my models.-Authentication to my controllers.-Authentication to my endpoints.I used .Net 6.0 and Visual Studio 2022, SSMS as well as Microsoft...

1.05K views 0 helpful 1 replies

50 Need answer

Last activity searched: 8/30/2023, 7:28:51 PM. Click Load More to search more activity.

Load More

← → ⌂ learn.microsoft.com/en-us/answers/questions/663116/a-connection-was-successfully-established-with-the... Follow question

Gmail YouTube Maps eFundi : CMPG 313...

**A connection was successfully established with the server, but then an error occurred during the login process Error from .Net core WebAPI**

AP Amit Pottar • Follow Dec 14, 2021 1:23 PM

Hi,  
I've an application that uses WebAPI in .Net core 6 and uses Kestrel server. When calling `HttpPost` request, the code tries to inject data in DB but fails with error:  
The certificate chain was issued by an authority that is not trusted.  
Inner exception: A connection was successfully established with the server, but then an error occurred during the login process  
The obvious resolution is to inject `TrustServerCertificate=True` in the connection string. But this is a security risk as it can trust invalid certificate.  
I'm using Dapper package to communicate with Sql server database.  
After investigation, I found that this happens when I refer `Microsoft.Data.SqlClient` package. If I replace with `System.Data.SqlClient` package, above error occurs no more and I don't have to inject `TrustServerCertificate` flag.  
1) Can anyone let me know why this error is raised when I refer `Microsoft.Data.SqlClient`?  
2) Which package (`System.Data.SqlClient` or `Microsoft.Data.SqlClient`) is recommended for the new development (i.e. .Net 6 and Kestrel)?  
Thanks,  
Amit

ASP.NET Core SQL Server

I comment Report a concern I have the same question

RFBG • Follow Nov 2, 2023 6:02 PM

I resolved this by clicking on Options>Connection Properties>checking Trust server certificate.

1 vote

Add comment

← → ⌂ learn.microsoft.com/en-us/answers/questions/1194567/dbcontext-is-not-found-in-adding-view-scaffolding... Follow question

Gmail YouTube Maps eFundi : CMPG 313...

**DbContext is not found in adding view scaffolding**

AA Anonyt\_SQL • Follow Mar 30, 2023 8:37 AM

DB context class is not displaying in scaffolding

Add View

View name: `CreateCompanyBranches`  
Template: Empty (without model)  
Model class:   
Options:  
 Create as a partial view  
 Reference script libraries  
 Use a layout page:  
  
 Add  Cancel

Build + IntelliSense

ASP.NET MVC

I comment Report a concern I have the same question

Accepted answer

LL Lan Haeng-MSF7 • Follow Mar 30, 2023 9:19 AM

Hi @akhter\_husain,  
You need to select other options except (without model). You can check the documentation for specific steps:  
<https://learn.microsoft.com/en-us/aspnet/mvc/overview/getting-started/getting-started-with-ef-using-dbcontext>

🌐 💻 Welcome to the StackOverflow Hub! 🚀 💬💡👤

The screenshot shows the StackOverflow user profile page for Najmah Abraham. The top navigation bar includes links for Home, PUBLIC, Questions, Tags, Users (which is selected), Companies, and a sidebar for Explore Collectives and Teams. A sidebar on the left promotes Stack Overflow for Teams. The main content area features a profile picture of Najmah Abraham, her name, and a brief bio indicating she is a member for 20 days, last seen this week, and visited 2 days ago. Below this are tabs for Profile (selected), Activity, Saves, and Settings. The Profile section contains Stats (reputation: 1, answers: 0) and About (a placeholder message encouraging users to add their bio). The Communities section lists Stack Overflow (1). The Badges section indicates no badges have been earned.

Profile

Najmah Abraham

Member for 20 days Last seen this week Visited 2 days, 1 consecutive

Profile Activity Saves Settings

Stats

1 reputation	0 reached
0 answers	0 questions

About

Your about me section is currently blank. Would you like to add one? [Edit profile](#)

Communities

Stack Overflow 1

Badges

You have not earned any badges.

stack overflow Products Search... 1 5 ?

# API Development

Asked today Modified today Viewed 1 time Part of Microsoft Azure Collective

I am scaffolding my database into my API project but getting an error called: "Build failed dotnet ef dbcontext scaffold".

0 I used the command in the terminal Visual Studio Scaffold-DbContext "Server=(localdb)\mssqllocal;Database=Blogging; Trusted\_Connection=True; The error that im currently experiencing when I ran the command: Using startup project 'EFSandbox' Microsoft.EntityFrameworkCore.SqlServer - Verbose.

# database azure api

Share Edit Delete Flag

asked just now Najmah Abraham 1 New contributor

Add a comment

Microsoft Azure Collective See more

This question is in a collective: a subcommunity defined by tags with relevant content and experts.

## The Overflow Blog

Making event-driven development predictable with Discover sponsored post

Semantic search without the napalm grandma exploit (Ep. 600)

## Featured on Meta

Moderation strike: Results of negotiations

Our Design Vision for Stack Overflow

The screenshot shows a Stack Overflow question page. The title of the question is "System.MissingMethodException: Method not found: '...EntityFrameworkCore.Metadata.Binders.EntityTypeBuilder`1.HasIndex(...)'". The question was asked 3 years ago and modified 1 year, 11 months ago, with 20k views. The user wants to generate and apply migrations using dotnet ef database update commands. The first command succeeded, but the second one failed with the specified exception. A sidebar on the left lists navigation links such as Home, PUBLIC, Questions, Tags, Users, Companies, COLLECTIVES (with an explore link), and TEAMS. A sidebar on the right features "The Overflow Blog" with posts about being a workplace bestie and migrating to Azure, and "Featured on Meta" with posts about moderation strikes, design vision, temporary policies, and discussions experiments.

stackoverflow Products Search... 1 5 2 3

Home PUBLIC Questions Tags Users Companies COLLECTIVES Explore Collectives TEAMS Stack Overflow for Teams – Start collaborating and sharing organizational knowledge. Free

## More than one DbContext was found

Asked 4 years, 11 months ago Modified 4 months ago Viewed 96k times 2018-09-13 09:48:31Z

I am implementing a code first database using AspCore 2. I have a "DataContext.cs" that goes like this:

**42**

```
public class ApplicationUser : IdentityUser
{
    public string FirstName { get; set; }
    public string MiddleName { get; set; }
    public string LastName { get; set; }
    public bool IsActive { get; set; }
    public DateTime? DateAdded { get; set; }
}

public class DataContext : IdentityDbContext<ApplicationUser>
{
    public DataContext(DbContextOptions<DataContext> options) : base(options) {}

    protected override void OnModelCreating(ModelBuilder modelBuilder)
    {
        base.OnModelCreating(modelBuilder);

        //AspNetUsers -> User
        modelBuilder.Entity<ApplicationUser>()
```

The Overflow Blog What it's like being a professional workplace bestie (Ep. 603) Journey to the cloud part I: Migrating Stack Overflow Teams to Azure

Featured on Meta Moderation strike: Results of negotiations Our Design Vision for Stack Overflow and the Stack Exchange network Temporary policy: Generative AI (e.g., ChatGPT) is banned Discussions experiment launching on NLP Collective Call for volunteer reviewers for an

stackoverflow Products Search... 1 5 2 3

Home PUBLIC Questions Tags Users Companies COLLECTIVES Explore Collectives TEAMS Stack Overflow for Teams – Start collaborating and sharing organizational knowledge. Free

## Not able to add default connection in appsetting.json file. in .net6

Asked 1 year, 7 months ago Modified 1 year, 7 months ago Viewed 5k times

when i'm try to add default connection in appsettings.json file. i'm getting zero suggestion after writing double quotes and moreover also getting an error like "only one top level item is allowed in a json document"

**-1**

```
"ConnectionStrings": {
    "DefaultConnection": "Server:.;Database=Bulky; Trusted_Connection=True;"
}
```

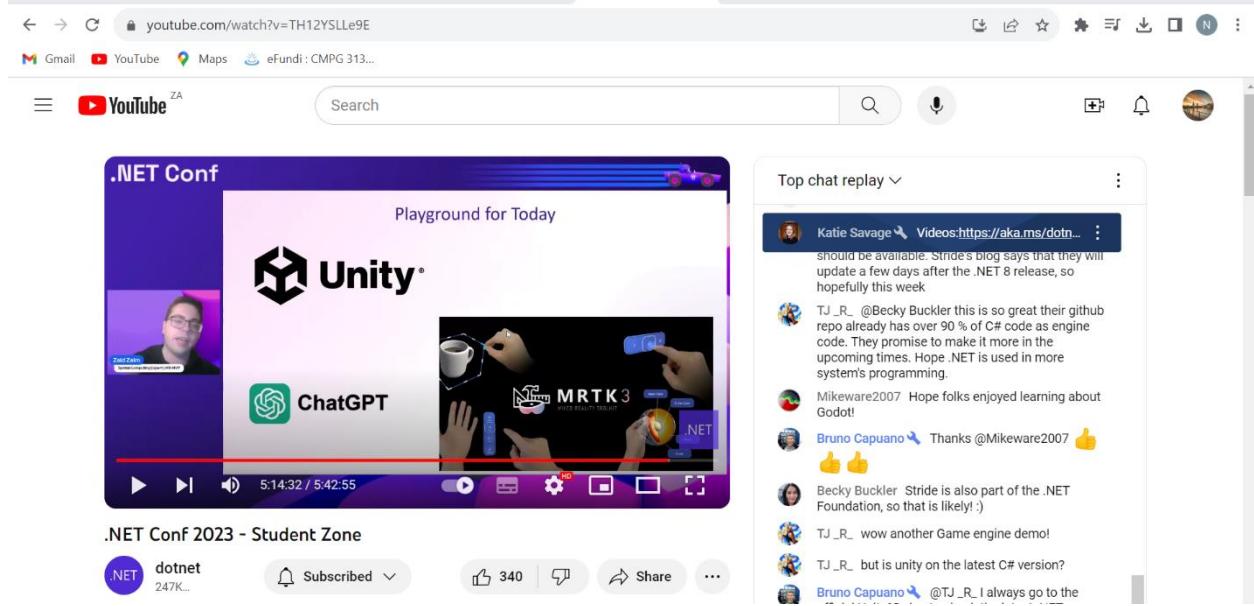
c# asp.net-mvc .net-core entity-framework-core .net-6.0

Share Edit Follow edited Feb 1, 2022 at 13:57 asked Jan 17, 2022 at 21:27 Get updates on questions and answers Sergé 40.9k 4 18 45 Alok Raj Singh 29 1 4

The Overflow Blog What it's like being a professional workplace bestie (Ep. 603) Journey to the cloud part I: Migrating Stack Overflow Teams to Azure

Featured on Meta Moderation strike: Results of negotiations Our Design Vision for Stack Overflow and the Stack Exchange network Temporary policy: Generative AI (e.g., ChatGPT) is banned Discussions experiment launching on NLP Collective Call for volunteer reviewers for an

🚀 🌎 🎉 Welcome to the YouTube Hub! 🎥 🎬 🎙️ 🤝



.NET Conf

Playground for Today

Unity

ChatGPT

MRTK 3

5:14:32 / 5:42:55

.NET Conf 2023 - Student Zone

.NET dotnet 247K... Subscribed 340 Share ...

Katie Savage Videos: <https://aka.ms/dotn...> should be available. Stride's blog says that they will update a few days after the .NET 8 release, so hopefully this week

TJ\_R\_ @Becky Buckler this is so great their github repo already has over 90 % of C# code as engine code. They promise to make it more in the upcoming times. Hope .NET is used in more system's programming.

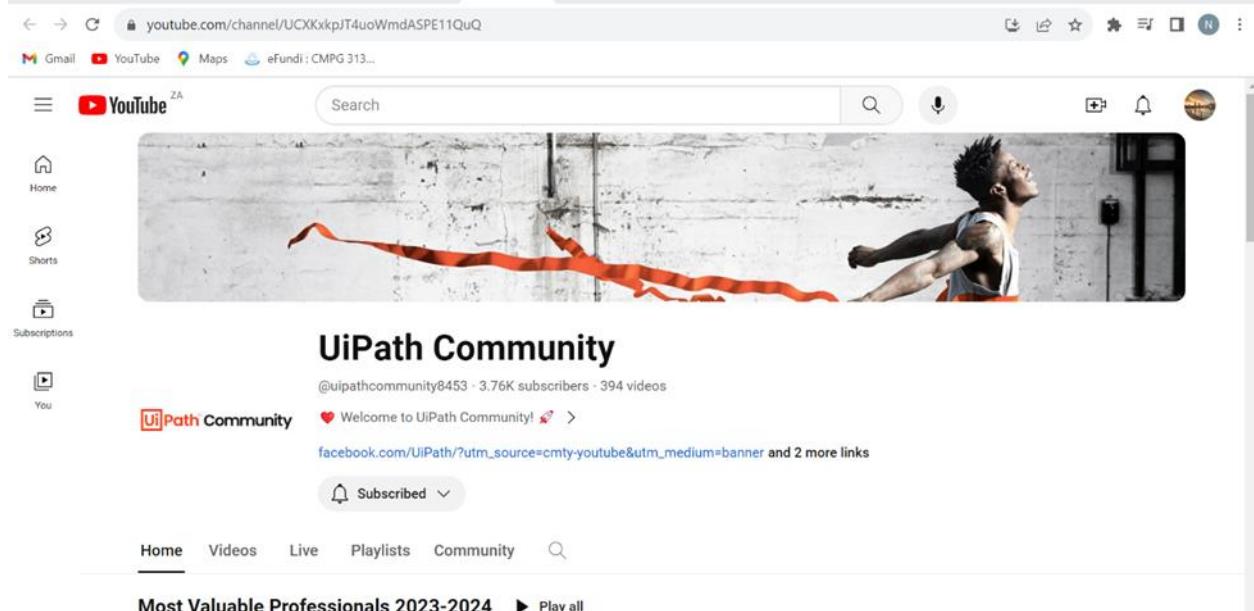
Mikeware2007 Hope folks enjoyed learning about Godot!

Bruno Capuano Thanks @Mikeware2007 👍

Becky Buckler Stride is also part of the .NET Foundation, so that is likely! :)

TJ\_R\_ wow another Game engine demo!

Bruno Capuano @TJ\_R\_ I always go to the



Home

Shorts

Subscriptions

UiPath Community

3.76K subscribers · 394 videos

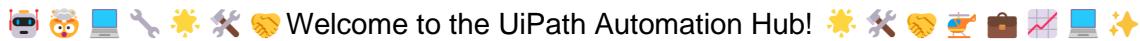
Welcome to UiPath Community! ❤️ ➔

[facebook.com/Uipath/?utm\\_source=cmtv-youtube&utm\\_medium=banner](facebook.com/Uipath/?utm_source=cmtv-youtube&utm_medium=banner) and 2 more links

Subscribed

Home Videos Live Playlists Community

Most Valuable Professionals 2023-2024 ➔ Play all



"Automating: because who has time to do the boring stuff? Let the bots handle it – they don't even need coffee breaks!"

"Why did my POE submit a RESUME? It heard the automation industry was hiring, and it wanted a 'byte' of the action in the world of 'auto-magic'!"

The screenshot shows the profile page for a user named Kayleeyana on the UiPath Forum. The page includes a summary of activity, stats, top replies, and top topics. A video player for a live session titled "UiPath Live: AI from A to Z" is also visible.

**Summary:**  
11 days visited | 1h read time | 1h recent read time | 26 topics viewed | 159 posts read | 4 ❤ given | 2 ❤ received | 0 topics created | 1 post created

**STATS:**  
11 days visited | 1h read time | 1h recent read time | 26 topics viewed | 159 posts read | 4 ❤ given | 2 ❤ received | 0 topics created | 1 post created

**TOP REPLIES:**  
Aug 19 · ❤ 2  
State of the Automation Professional report 2023 is here!

**TOP TOPICS:**  
No topics yet.

**UiPath Live: AI from A to Z**  
SESSION ONE, SEPTEMBER 12, 11:00 AM EDT/8:00 AM PDT/5:00 PM CEST

Zoom Meeting

You are viewing Anurag Upadhyay's screen

(34385479) N.A... (34385479) N.Abraham Atul Trikha Anurag Upadhyay Diana Gray

Recording

**UiPath Community | THE NEXT INNINGS**

# Business Analyst Series 2023

By UiPath Community & The Next Innings

Unmute Start Video Participants Share Screen Summary AI Companion Apps Notes More Leave

linkedin.com/mynetwork/

Gmail YouTube Maps eFundi : CMPG 313...

in Search Home My Network Jobs Messaging Notifications Me For Business Premium: 50% Off

Manage my network

- Connections 349
- Contacts 424
- Following & followers
- Groups 5
- Events
- Pages 47
- Newsletters 12
- # Hashtags

Show less ^

Ad ... Najmah, enjoy 50% off 2 months of LinkedIn Premium!

Invitations

Ryan Schmidt RPA Developer at Generac Power Systems Ignore Accept

Ivona de Carvalho, DASM Intelligent Automation Enablement Lead | Process Automation & Improvement | ... Ignore Accept

Vibhor Shrivastava UIPath Evangelist | Community Advocacy | Empowering Automation Advocates | ... Ignore Accept

Job search smarter

Premium subscribers are 39% more likely to hear back after applying for a job.

Irma and millions of other members use Premium

Messaging

BA Training week 1 Session 1

(N) Just entering , Final year student , very keen and excited to build and grow in automation.

Revathi - HSI 17:15 Just started.. Good Luck

(N) Reply...

You 17:15 Got introduced to automation through my lovely Lecture Jacqui Muller.

Syairul joined as a guest

Who can see your messages? Recording On

To: Meeting Group Chat

Message BA Training week 1 Session 1

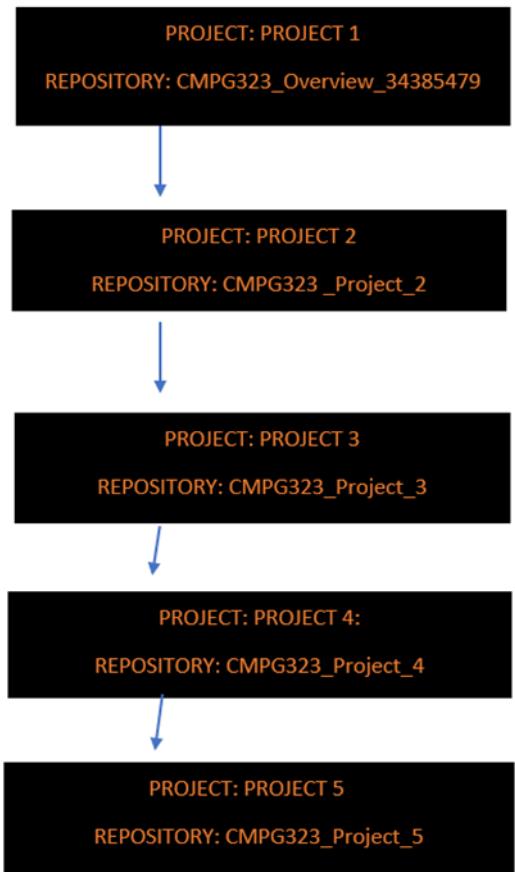




"Why did the developer break up with GitHub? Because they just couldn't commit to a long-term relationship! 💔🚀 #DevHumor"

A screenshot of a GitHub profile for Najmah Abraham. The profile shows two repositories: "How\_to\_use\_GitHub" (Java Code and description on how to use GitHub) and "Cum\_Laude" (Graduate with a distinction or not). Below the repos, it says "509 contributions in the last year". A heatmap shows contributions by month (Nov, Dec, Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct) and day of the week (Mon, Wed, Fri). The heatmap is mostly green, indicating more contributions. A legend at the bottom right shows "Less" and "More" contribution levels. The year "2023" is highlighted in blue at the top right of the heatmap area.

A screenshot of a GitHub repository page for "CMPG-323-Overview---34385479 / README.md". The page includes sections for "PROJECT STRUCTURE", "BRANCHING STRATEGY:", and ".gitignore USAGE:". It also contains a note about maintaining a clean repository and a "#SECURITY" section about storing sensitive information within excluded files.



🚀 🌎 Welcome to the Microsoft Azure Portal! Explore the cloud with endless possibilities. 🌎 🚀

Microsoft Azure   [Upgrade](#)      [Create a resource](#)   [Resource groups](#)   [All resources](#)   [Subscriptions](#)   [SQL databases](#)   [Quickstart Center](#)   [Virtual machines](#)   [App Services](#)

North-West University   [Sign out](#)

**Azure services**

**Resources**

Recent   [Favorite](#)

Name	Type
No resources have been favorited Favorite resources to quickly navigate to them from the home page.	
<a href="#">Select resources to favorite</a>	

34385479@mynwu...  
34385479@mynwu.ac.za  
[View account](#)  
[Switch directory](#)

Sign in with a different account

Microsoft Azure   [Upgrade](#)      [Overview](#)

Home > **Education | Overview**   [...](#)

**Learning resources**

- [Overview](#)
- [Roles](#)
- [Software](#)
- [Learning](#)
- [Templates](#)
- [GitHub](#)

**Need help?**

- [Support](#)

**Explore Azure roles**  
Explore Azure roles to start building the key cloud skills you'll need to be successful in leading technology careers.

[Launch your career](#)

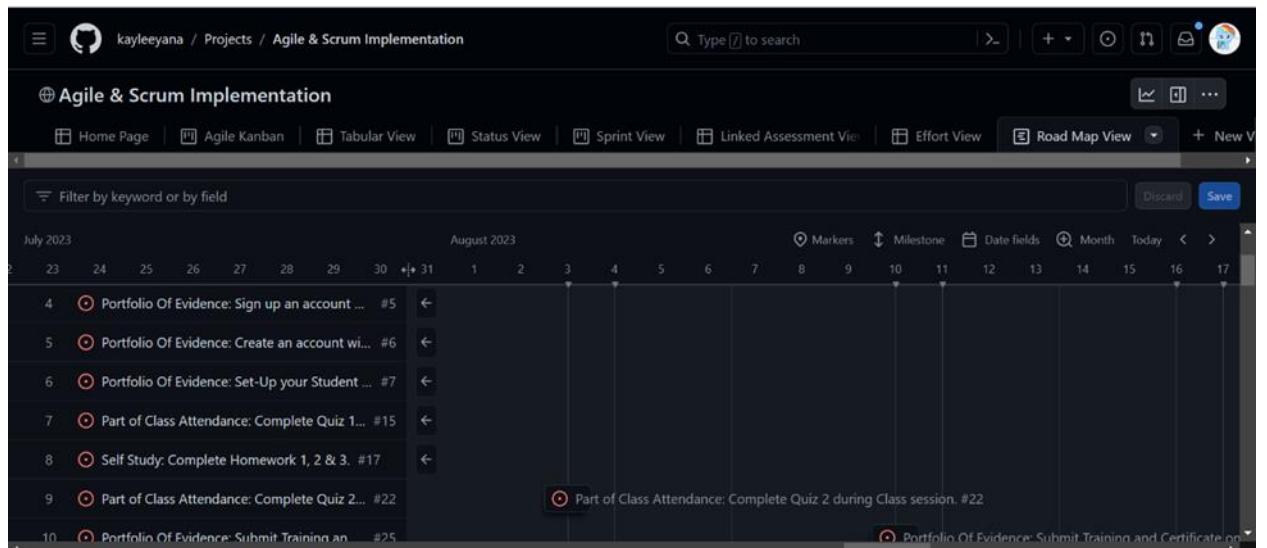
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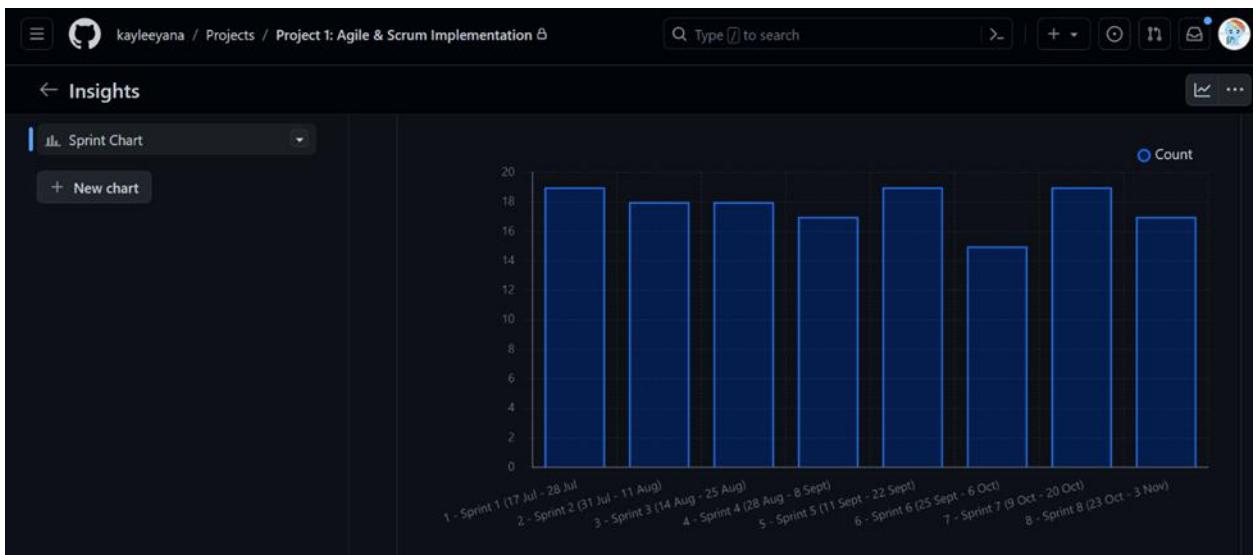
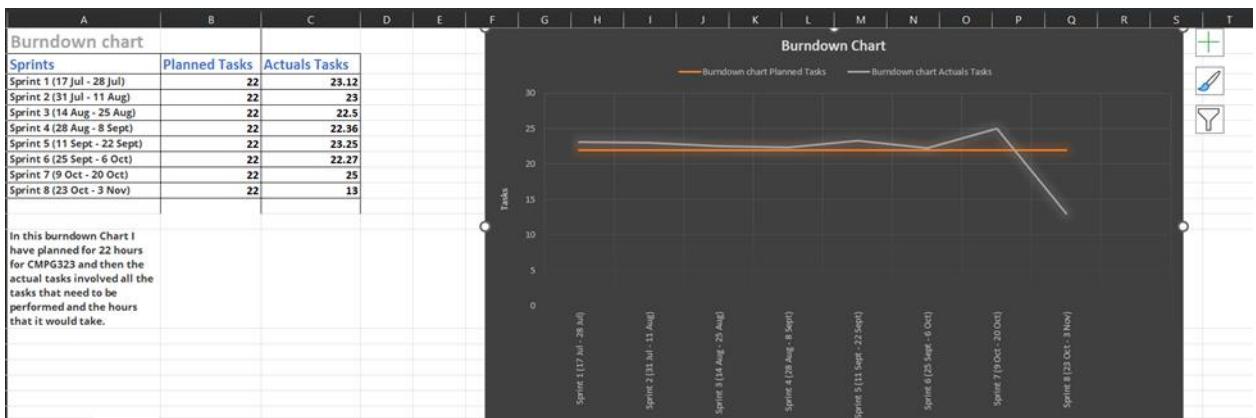
  Welcome to the Kanban Board! Let's organize and visualize tasks seamlessly.  



The screenshot shows a Kanban board interface for a project titled "Agile & Scrum Implementation". The board is set up with columns for tasks. The tasks listed are:

- 4 Portfolio Of Evidence: Sign up an account ... #5
- 5 Portfolio Of Evidence: Create an account wi... #6
- 6 Portfolio Of Evidence: Set-Up your Student ... #7
- 7 Part of Class Attendance: Complete Quiz 1... #15
- 8 Self Study: Complete Homework 1, 2 & 3, #17
- 9 Part of Class Attendance: Complete Quiz 2... #22
- 10 Portfolio Of Evidence: Submit Training an... #25

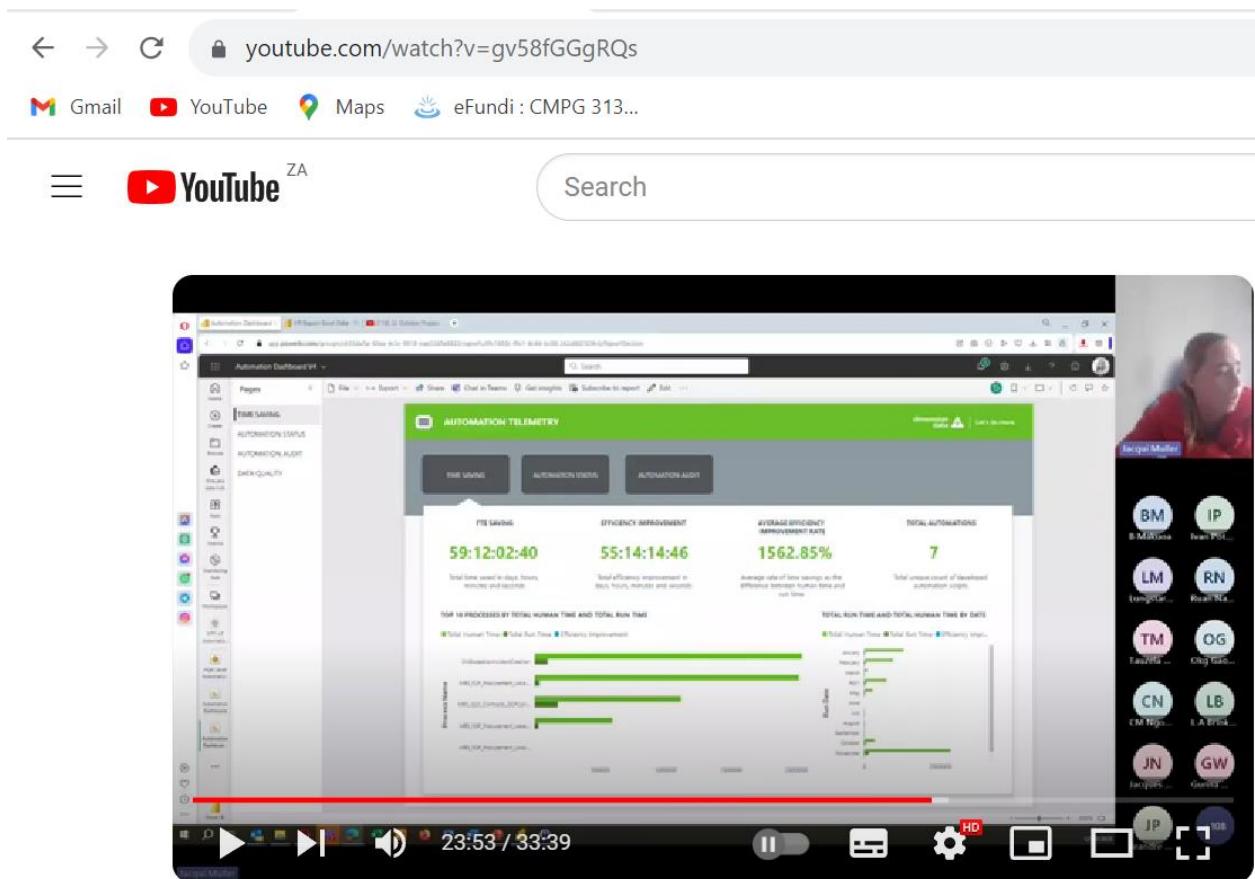
The board includes a header with navigation links like Home Page, Agile Kanban, Tabular View, Status View, Sprint View, Linked Assessment View, Effort View, Road Map View, and New View. There are also search and filter options at the top.



🌐💬 Welcome to the coding wonderland, where Jacqui Muller turns error messages into punchlines, making bugs wish they never existed! 😅💻

🌐💬 Need help, a laugh, or an infinite loop fixed? Just ask Jacqui Muller! Rumour has it, she does it all – even debugging the mysteries of the universe. The real question is, is there anything Jacqui can't automate? 😊💻

#CommunityEngagement #JacquiDoesItAll



12 October CMPG323 weekly virtual class Data Visualisation



Subscribed

2



Share



## **4 Community Engagement**

Students are encouraged to use the development communities around them to extract value from as well as produce value back into. Student contribution and engagement can be measured through multiple forms which require evidence of participation and engagement.

### **4.1 Contributing to a Community or Forum**

The student has executed the following tasks as a contribution to a community or forum:

<b>Platform</b>	<b>Date</b>	<b>Reflection</b>
Microsoft Teams	2023-08-31	Upon resolving the issue with my connection string in Project 2, I gained valuable insights into the root cause of the error I had encountered. This newfound understanding not only made it clear why the error had occurred but also empowered me to assist my peers in troubleshooting similar issues. Recognizing the importance of checking Azure connection strings and adjusting publish settings, as I had been advised to do previously, allowed me to share this knowledge with other students who might be facing similar challenges. This collaborative exchange of information became a beneficial aspect of my Project 2 submission, fostering a sense of shared learning within the academic community.
Microsoft Teams	2023-10-17	During the Project 4 submission, I highlighted several challenges, including the absence of OrderDetails on the landing page (an issue some classmates were also grappling with), the non-inclusion of the order date in the Excel sheet, and a perplexing situation where the OrderDetails page, particularly the Order and Product sections, displayed no information. Seeking feedback on these issues proved pivotal. In response, valuable

		<p>insights were shared. The suggestion to add OrderDetails to the landing page, the option to hard code the order date or use Excel to retrieve it, and the revelation that the purpose of the project was to test results, prompting the need for a false statement for the Order and Product, were all crucial feedback. Mam's message emphasizing the project's purpose as user acceptance became a pivotal moment. It clarified that the aim was to test results and prompted the realization that an if statement should be created for the Order and Product to generate an output. This feedback not only addressed the specific challenges raised but also enhanced my understanding of the project's objectives, guiding me toward a more informed and effective implementation. The collaborative feedback process within the platform played a crucial role in overcoming hurdles and improving the overall quality of the project submission.</p>
LinkedIn	2023-08-19	<p>In the wake of completing Project 1 and swiftly transitioning into Project 2, the newfound exposure to API concepts and REST API fundamentals proved to be overwhelming and challenging. Many of us were grappling with this unfamiliar territory, compounded by the additional demands of training and certificates. The realization that some classmates were unaware of platforms for such training added to the complexity. Feeling the weight of these challenges, I took the initiative to share a post on the LinkedIn class group. The intention was to alleviate the burden on fellow students by providing information on training resources and guiding them through the various API concepts we were encountering in Project 2. This initial engagement on LinkedIn marked a collaborative effort to support one another in navigating the steep learning curve from Project 1 to Project 2. By sharing valuable insights and resources, the post aimed to foster a sense of</p>

		community and mutual aid during a period of heightened complexity and uncertainty.
LinkedIn	2023-11-01	<p>In one of the UiPath engagements, I experienced a multitude of fascinating and enriching exposures that left a lasting impression on me. These engagements provided me with the opportunity to connect with professionals at various levels, including managers, directors, and business owners, fostering a broad and diverse network. The richness of these interactions prompted me to share my experience with fellow students, aiming to illuminate the remarkable level of exposure one can gain through UiPath engagements. By engaging with professionals across the county, I wanted to convey the depth and breadth of the connections and insights that can be cultivated in such forums. This sharing was not just a personal reflection but an invitation for others to explore and leverage similar opportunities. The intent was to create awareness among fellow students about the potential for significant exposure and networking available through engagements like those offered by UiPath.</p>
LinkedIn	2023-08-29	<p>Actively engaging with the .NET Core group on LinkedIn, I make it a priority to read new posts, articles, and stay informed about upcoming events and conferences. In alignment with this commitment, I recently registered for an event, and I look forward to sharing my experiences and insights from this engagement in my next submission.</p>
UiPath	2023-08-19	<p>"🚀 **Embarking on My UiPath Journey: A New Automation Developer's Story! 🌐💡 Hey UiPath fam!</p> <p>👉 Just wanted to share a little moment from my journey as a fresh-faced automation developer. 🚗🌟 So, there I was, attending one of the UiPath meetups, feeling both excited and a tad bit nervous. As a newbie, you know</p>

how it is—stepping into a space filled with seasoned professionals and experts. 😊 But guess what? The UiPath community didn't just welcome me; they threw open the doors with open arms! 🤗 I made this informal comment about being a new kid on the automation block, and the response I got was heartwarming. 💬 The Informal Comment: "Hey UiPath folks! 🌟 Just joined the automation squad, and let me tell you, it's a whole new world out here. Still figuring things out, but the vibe is amazing! Any tips or cool stories from your early days?" And bam! The engagement started pouring in. 🚀 UiPath's Warm Welcome: What struck me the most was how everyone—from seasoned developers to UiPath veterans—jumped in with advice, shared their own 'early days' stories, and made me feel like a part of something big. 🌎 🌟 🎉 The UiPath Community Magic: It's not just about automation; it's about the community magic that UiPath weaves. The camaraderie, the willingness to share experiences, and the genuine excitement to welcome a newcomer—it's like being part of a tech-savvy family. 🚀 🌟 🛡️ Connections Beyond Automation: Little did I know that this informal comment would lead to connections, conversations, and a sense of belonging in a community that extends beyond the realm of automation. From tips on debugging to shared laughs about 'coding gone wrong,' it's been a journey filled with camaraderie. 🌎 Here's to New Beginnings: So, here's to new beginnings, UiPath-style! 🎉 Whether you're a seasoned pro or just starting like me, the UiPath community is where the magic happens. Grateful for the warm welcome and excited for all the coding adventures ahead! 📖 🌟 #UiPathNewbie #AutomationJourney #UiPathCommunityMagic"

## 4.2 Extracting Knowledge from a Community or Forum

The student has executed the following tasks as an extraction of knowledge from a community or forum:

Platform	Date	Reflection
UiPath	2023 -10- 05	Hearing success stories and witnessing the impact of RPA was inspiring. Motivated me to implement UiPath more effectively.
Microsoft Teams	2023 -08- 01	The CMPG323 Hub on Microsoft Teams serves as my virtual space for collaboration and communication. Within this hub, the CMPG323 chat is a central element where students and lecturers actively participate, sharing their project progress, discussing errors, and addressing uncertainties within the project. The collaborative environment allows for mutual support, with students responding to each other's errors and lecturers providing guidance and meaningful feedback. This engagement stands out as one of the most impactful experiences compared to other interactions. The uniqueness lies in the fact that all students are working on the same project, creating a shared space where we collectively navigate through common challenges. The platform becomes a valuable avenue for early feedback as some students share their insights and solutions when encountering specific errors, while others seek assistance from the lecturers. Beyond error resolution, the class platform becomes a knowledge-sharing hub where new concepts are introduced, contributing to a deeper understanding of the project. This collaborative space not only fosters a sense of community among students but also facilitates a rich learning environment where collective experiences and diverse perspectives enhance our overall comprehension of the project requirements
Microsoft Teams	2023 -07- 27	During the submission of Project 1, I found myself grappling with the entirely new concepts of Git, GitHub, and the Agile methodology. Adapting to GitHub was a gradual process, and it took some time to

		become comfortable with its functionalities. However, my initial confusion arose when dealing with the Kanban board. At this stage, I failed to grasp the broader perspective that we were not just planning for Project 1 but for the entire semester. I mistakenly believed that my focus should be solely on the Kanban board for Project 1, without realizing the overarching principle of a scrum implementation—planning for the entire period. This engagement became a pivotal moment of clarity for me, as it illuminated the necessity of regularly updating my Kanban board to facilitate planning and organization throughout the semester. This newfound understanding reshaped my approach, emphasizing the importance of long-term planning in the Agile framework.
Microsoft Teams	2023-08-31	During the submission of Project 2, I encountered a revelation regarding GitHub that significantly streamlined my workflow. Initially, after creating a repository on GitHub, I was unaware of the capability to add an existing project from one repository to another. Consequently, I ended up recreating the entire project in P2, an unnecessarily time-consuming process. This engagement served as a valuable learning experience, enlightening me about the efficiency gained by adding an existing project from one repository to another. Understanding this feature not only saved a considerable amount of time but also highlighted the simplicity and ease with which it can be accomplished. This newfound knowledge has become an integral part of my GitHub practices, emphasizing the importance of maximizing efficiency in project management.
Microsoft Teams	2023-08-31	Project 2 Submission: At this point, I configured my database, created the API project, successfully scaffolded my database, and all the relevant methods such as: Get, Post, Patch, Delete. Before adding the security I could run my application using the azure database connection string and the azure website - Swagger would open successfully. The problem arised when I added the security as it later created challenges for me. The security was a very complex concept. However, this platform allowed me to understand that the issue was in my connection string as I has to directly take the connection string from azure. There were two different connection strings from Azure and I

		had to trial and error both of them to see which one would work successfully.
Microsoft Teams	2023-08-31	During the Project 2 submission, overcoming challenges with publishing became a notable milestone. With the valuable assistance obtained from this platform, I successfully navigated through the publishing process. However, a subsequent roadblock emerged in the form of an "Internal Server Error" during the warmup of my site. Upon seeking guidance from a fellow student, the initial feedback pointed out that I might have missed adding two crucial lines to my Project.cs file. While this input addressed one aspect of the issue, I recognized the need for a more comprehensive investigation. Delving deeper into the problem, I thoroughly examined my Project.cs file to identify and rectify any missing elements contributing to the "Internal Server Error." This meticulous review was crucial in resolving the issue and ensuring the successful deployment of my Project 2. This experience highlighted the importance of collaborative problem-solving within the platform, showcasing the effectiveness of shared insights and collective efforts in overcoming intricate technical challenges.
Microsoft Teams	2023-09-06	For the Project 3 submission, I adopted a proactive approach by taking the initiative to thoroughly comprehend the concepts, expectations, and the array of software involved. Reflecting on the challenges encountered in Project 2, where Visual Studio, GitHub, Microsoft Azure, .Net Core, MS Access, and Sql Server were integral, along with the complexities of installing additional packages within Visual Studio, I recognized the importance of a comprehensive understanding. To streamline the process and minimize potential hurdles, I engaged with the lecturer before diving into the project. This preemptive consultation aimed to grasp all the concepts associated with Project 3, ensuring a clearer path forward. The objective was not only to comprehend the theoretical aspects but also to expedite the transition from understanding to practical implementation. This platform facilitated a focused exploration of concepts and provided an avenue for me to share feedback on my current understanding, pinpoint areas where clarification was needed, and communicate issues faced in prior projects that I aimed to overcome in Project 3. The collaborative nature

		of this engagement allowed for a more efficient and informed project initiation, setting the stage for a more seamless execution.
Microsoft Teams	2023-09-07	In the feedback received for Project 2, I gained valuable insights that went beyond the initial issue of publishing. Although I had successfully published the project, the guidance I received emphasized a crucial aspect that I had overlooked. Even though I had already submitted Project 2, this feedback was instrumental in refining my approach for Project 3, ensuring that I wouldn't encounter the same challenge. The key revelation from the feedback was related to network settings, a facet I hadn't fully grasped during Project 2. The guidance suggested navigating to the networking tab on Azure for the server and checking the box that read "Allow Azure Services and resources to access the server." This seemingly small adjustment proved to be pivotal in enabling the API to function effectively. This feedback served as a catalyst for a deeper understanding of the intricacies involved in project deployment, and it underscored the importance of considering network settings to facilitate seamless functionality. Armed with this knowledge, I approached Project 3 with a heightened awareness of the nuances in network configuration, ensuring a more robust and error-free deployment process.
Microsoft Teams	2023-07-27	In my Project 1 submission, the introduction of Scrum implementation concepts, specifically how companies utilize this approach to plan team development, left me perplexed, given that all our projects were individual endeavors. Questions arose about the review process: Who would evaluate our work? Should we assess our own work? The logic behind this was unclear to me initially. Engaging on this platform proved instrumental in clarifying these uncertainties. It provided the insight that, indeed, our projects were individual tasks, and aligning with Scrum implementation, we were responsible for completing a task and reviewing it ourselves. The platform elucidated that the process involves continuously completing tasks, self-reviewing before progressing to the next task, and periodically evaluating one's own progress. This understanding, gained through the platform, reshaped my perspective on individual project work, revealing the self-reviewing aspect as a crucial element in gauging personal progress within the

		Scrum framework. It underscored the iterative nature of the development process, emphasizing continual self-assessment as an integral part of project advancement.
Microsoft Teams	2023-10-12	During the Project 4 submission, I found myself grappling with the logic of the Azure website, particularly regarding the placement of the OrderDetails tab, which differed from the landing page of the other tabs. This discrepancy led to confusion and frustration, exacerbated by the time constraints and the recurring issue of the web app going down. In the midst of these challenges, a peer came to my aid, providing a valuable explanation. The peer clarified that to access the OrderDetails, I needed to manipulate the URL by adding "OrderDetails" to it. This revelation proved pivotal in navigating the intricacies of the Azure website, offering a practical solution to the issue at hand. This collaborative exchange underscored the significance of peer support in overcoming challenges, especially in a time-sensitive environment. The newfound knowledge not only addressed the immediate hurdle but also enhanced my understanding of navigating the Azure website, contributing to a more effective and informed approach in subsequent tasks.
Microsoft Teams	2023-08-03	In the initial stages of the semester, the concept of a P.O.E (Portfolio of Evidence) was introduced, triggering uncertainties among us. Questions like the number of required Trainings/Certificates and the extent of community engagements we needed surfaced. We were advised to focus on activities that brought value rather than merely completing tasks. However, being newcomers to this concept posed a challenge when it came to compiling the P.O.E. The introduction of Training/Certificates on platforms such as UiPath or Microsoft was entirely novel for most of us. Navigating this new terrain added to the complexity. Furthermore, the directive to extract knowledge from community engagements, especially through platforms like StackOverflow, Quora, or Reddit, was daunting. Many of us were not comfortable asking or answering questions in these spaces, and some were unfamiliar with their existence. Engaging on this platform played a transformative role. It encouraged an open-minded approach, pushing me to step out of my comfort zone, establish a presence, and

		become an active participant in the student community. Actively assisting others and expanding my knowledge became not just a requirement but an opportunity for personal and academic growth. This experience served as a stepping stone, fostering a proactive and engaged attitude towards both learning and community involvement.
LinkedIn	2023-08-31	Through this community engagement platform, I efficiently compiled and showcased all the training, certificates, badges, and diplomas I completed, creating a comprehensive profile of my skills and accomplishments. Regular reflection allowed me to gauge my current progress in skill development, understanding, and exposure to various technology software. Active participation on this platform empowered me to pose questions effectively, seeking clarification on areas where I needed guidance. Simultaneously, I contributed to the community by sharing valuable training resources, especially tailored for the projects we were working on. This reciprocal exchange of knowledge fostered a collaborative learning environment. Engaging with the class group was particularly meaningful, with timely posts and discussions tailored to the specific projects we were undertaking at that particular moment. This real-time interaction proved instrumental in navigating project complexities and garnering insights from peers. Furthermore, I extended my engagement to LinkedIn groups relevant to our field, ensuring exposure to a broader professional network. These groups became valuable resources for exploring questions, reading posts, and gaining insights that directly contributed to the successful completion of our projects. In essence, this platform served as a dynamic hub for learning, sharing, and networking, enhancing my overall academic and professional journey.
LinkedIn	2023-08-19	At this juncture, I found myself uncertain about the expectations for Project 2. However, the training I undertook on LinkedIn during this period stood out as particularly impactful. Unlike other training modules, this one provided a comprehensive introduction to APIs. It delved into the intricacies of API endpoints, security measures, and covered all the fundamental aspects of working with APIs.

LinkedIn	2023-08-19	The introduction to ASP.NET MVC web applications posed a slight challenge for me due to the broad scope of MVC. This platform became a valuable resource, providing clarity through examples and promptly addressing my questions. Initially, I was confused about the distinctions between Project 2 and Project 3, but the platform elucidated the differences and guided me through understanding how to implement Project 3 using the concepts gained from Project 2. The provided example became a pivotal reference, offering insights and ideas for the successful execution of Project 3.
LinkedIn	2023-08-20	I decided to join a LinkedIn Group dedicated to .NET Core to enhance my understanding of this technology, especially since I was relatively new to it. This platform proved invaluable as it consistently kept me updated on the latest versions of .NET Core. It also introduced me to .NET Core conference student hubs, which I actively participated in. The group regularly shared insightful web pages for reading about .NET Core and provided relevant statistics highlighting the increasing usage of .NET Core. Moreover, the group expanded its focus beyond just .NET Core, delving into C# and various aspects related to APIs. This comprehensive approach allowed me to stay well-informed about the broader ecosystem surrounding .NET Core and related technologies.
YouTube	2023-08-30	Engaging with the LinkedIn group led me to a Student Zone conference, a captivating event that brought together students from across the globe. This beginner-friendly, virtual conference featured experts guiding participants on building impressive projects using C# and .NET. The diverse sessions covered various topics, including creating mobile apps, AI applications, APIs, frontend web apps, and gaming projects. While I may not have fully comprehended all the intricate details, I gained exposure to a multitude of fascinating concepts, such as: Building Your Own Course Assistant with AI: Explored the implementation of AI applications, demonstrating how to create a personalized course assistant. Minimal API + SPA, a perfect match: Introduced the synergy between Minimal API and Single Page Applications (SPA) for effective web development. Building an intelligent app with Blazor and Azure OpenAI: Explored the integration

		<p>of Blazor and Azure OpenAI for developing intelligent applications. Get started building mobile &amp; desktop apps with .NET: Highlighted the fundamentals of building applications for both mobile and desktop platforms using .NET. Games in Godot! Let's make a classic Paddle game with C#: Introduced Godot, a free cross-platform game engine, showcasing how to build a classic Paddle game with C#. .NET Backend Mastery for Game Development: Explored the robust capabilities of .NET for backend development in the realm of game development. Coding a Drone Using .NET and ChatGPT AI &amp; Flying in MR!: Showcased coding a drone using .NET and ChatGPT AI, bringing the concept of Mixed Reality (MR) into play. This exposure expanded my understanding of AI applications, introduced me to .NET 8, showcased various AI models, familiarized me with Vite for scaffolding and React for building UIs, and provided insights into the versatility of Godot in game development. The event emphasized the effectiveness of .NET in simplifying work processes and seamlessly integrating with cloud services.</p>
Microsoft	2023-08-30	Microsoft Community Profile: This platform served as a dynamic space for my active participation. I not only posed queries and received timely responses but also actively contributed by providing answers to questions. Utilizing this space, I successfully completed multiple training sessions, expanding my knowledge base. Additionally, I proactively sought solutions to code errors by conducting Google searches and delving into the questions posed by fellow learners, leveraging the collective wisdom of the community to enhance my project work.
Microsoft	2023-08-31	"An error occurred while accessing the Microsoft.Extensions.Hosting.Services": Faced with this error, I sought assistance on the Microsoft Community forum. The issue arose after implementing security measures on my APIs, leading to multiple errors. By reaching out on the forum, I aimed to gain insights and solutions from the community's collective expertise.

Microsoft	2023-08-22	"Though I generally preferred StackOverflow for engaging with questions and responses due to its perceived higher helpfulness, I made an effort to utilize both platforms. When encountering an error during the connection of my database to Visual Studio in SQL Server, the specific issue was 'A connection was successfully established with the server, but then an error occurred during the login process.' Fortunately, I found a solution on this platform, which involved changing my connection settings by enabling 'Trust Certificate.' This adjustment resolved the issue, and I no longer encountered the error."
Microsoft	2023-08-22	Encountering the "DBContext not found" error while attempting to scaffold your database in Visual Studio can indeed be challenging. The process of resolving this issue often involves checking various aspects of your project. Here's an improved version of your explanation: Facing the "DBContext not found" error during my database scaffolding in Visual Studio proved to be a perplexing challenge. To tackle this, I diligently reviewed several potential solutions: Namespace Verification: Ensured that the DBContext class was within the correct namespace and that I appropriately imported the namespace in the file where I was performing the scaffolding. Rebuilding the Solution: Performed a rebuild of the entire solution to ensure that any outdated or cached build artifacts were cleared. Class Availability: Double-checked the presence and accessibility of the DBContext class in my project. Created the class or ensured it was properly included. Namespace Collision Check: Ensured there were no naming conflicts or collisions with other classes or namespaces in the project. After reviewing these aspects and not finding a definitive solution, I opted for a pragmatic approach: Restarting Visual Studio: Acknowledging that sometimes issues arise due to the IDE's internal state, I closed and reopened Visual Studio, initiating a fresh session. Remarkably, this step resolved the "DBContext not found" error, allowing me to proceed with the database scaffolding seamlessly. In retrospect, this experience highlighted the importance of considering various factors in troubleshooting such errors and adopting practical solutions. The need for a restart, though seemingly simple, played a pivotal role in resolving the issue. Feel free to adjust the details based

		on your specific actions and findings during the troubleshooting process.
StackOverflow	2023-08-22	Stack Overflow stands out as my go-to platform for swiftly resolving coding issues. It's not just about finding solutions; it's the wealth of diverse approaches offered by the community that makes it an invaluable resource. This platform has become a cornerstone of my coding journey, providing quick and effective resolutions to complex problems. In one instance, I posted a question and received a rapid and helpful response. Beyond that, I delved into other questions and answers, exploring a variety of solutions related to the specific errors I encountered in Visual Studio and MS SQL Server. The collaborative nature of Stack Overflow fosters a rich learning environment, allowing me to not only find answers but also gain insights into different coding paradigms and best practices. It's a dynamic hub where developers worldwide share their expertise, making it an indispensable tool for anyone navigating the intricacies of software development. Feel free to tailor it further based on your experiences!
StackOverflow	2023-08-22	I encountered a challenging roadblock while attempting to scaffold my database into my project, manifesting as the error message "Build failed dotnet ef dbcontext scaffold." Seeking assistance, I turned to Stack Overflow to harness the collective knowledge of the developer community. In my question, I provided specific details about the error and the steps leading up to it. The Stack Overflow community, renowned for its responsiveness, quickly rallied to offer insights and solutions. One response suggested checking for any missing dependencies in the project, while another proposed updating the Entity Framework tools. Taking these suggestions into account, I meticulously reviewed my project's dependencies, ensuring that all necessary components were present. Simultaneously, I updated the Entity Framework tools as recommended. To my relief, these measures collectively addressed the "Build failed" error, allowing me to successfully scaffold the database into my project. This experience underscored the collaborative nature of platforms like Stack Overflow,

		where developers generously share their expertise to help others overcome hurdles in their coding journeys.
StackOverflow	2023-08-24	<p>I found myself grappling with a persistent challenge that revolved around the error: "System.MissingMethodException: Method not found: EntityFrameworkCore.Metadata.Builders.EntityTypeBuilder'1.HasIndex." This issue emerged during my attempts to migrate, creating a roadblock that took several days to overcome. The complexity of this error made it particularly challenging, prompting me to explore various avenues across different platforms for potential solutions.</p> <p><b>Diagnostic Steps:</b> Library Version Compatibility: First, I scrutinized the compatibility between the Entity Framework Core version and other related libraries in my project. Ensuring that these components align with the expected versions often resolves method-related issues.</p> <p><b>Tooling Updates:</b> I proceeded to update my Entity Framework Core tools to the latest version, as sometimes, discrepancies between tool versions and project dependencies can lead to such exceptions.</p> <p><b>Reviewing Entity Configuration:</b> This error is often linked to how entities are configured in the DbContext. I carefully reviewed the configurations using EntityTypeBuilder and checked for any inconsistencies or missing methods.</p> <p><b>Rebuilding and Cleaning:</b> A common troubleshooting step involved rebuilding the entire solution and cleaning any build artifacts. This helps ensure a fresh build with updated dependencies.</p> <p><b>Resolution:</b> After methodically applying these diagnostic steps, I managed to identify the root cause. It turned out that a mismatch in library versions, particularly within the Entity Framework Core and related tooling, was at the heart of the problem. Updating the necessary components and ensuring compatibility not only resolved the "Method not found" error but also facilitated a successful migration.</p> <p>This experience highlighted the importance of thorough version management and configuration consistency when working with Entity Framework Core. The diverse strategies employed in tackling this issue underscored the complexity of such errors and the need for a systematic approach to troubleshooting.</p>

StackOverflow	2023-08-25	In navigating the complexities of my Project 2, which involved managing two DbContexts tailored for distinct aspects of the application, I encountered a formidable challenge. The specific hurdle surfaced when I incorrectly referenced the Migration DbContext with the local DbContext during a critical database operation. Amid this perplexity, StackOverflow emerged as a beacon of support. Seeking resolution for the 'More than one DbContext was found' error, I turned to the seasoned developers and experts on StackOverflow. Their collective wisdom shed light on the intricacies of DbContext referencing, significantly influencing my understanding of the issue. In my personalized journey, the StackOverflow community not only pinpointed potential pitfalls in DbContext referencing but also underscored the importance of precision in specifying the correct DbContext for different functionalities. This nuanced guidance from experienced developers played a pivotal role in complementing my systematic resolution approach. Ultimately, StackOverflow became more than a troubleshooting resource; it transformed into an educational hub that enriched my comprehension of best practices in DbContext usage. This collaborative learning process, facilitated by StackOverflow, significantly contributed to the successful mitigation of the encountered error in my Project 2.
StackOverflow	2023-08-28	Navigating the intricacies of connection strings, particularly the transition from a local database to one hosted on Microsoft Azure, became a source of considerable confusion in my .NET 6 project. The Error: Encountering the error "Not able to add default connection in appsettings.json file in .NET 6" prompted me to reevaluate my connection string setup. This issue emerged as I attempted to configure the default connection in the appsettings.json file, but my understanding of the local database and the Azure database caused confusion. StackOverflow Intervention: In my quest for clarity, I sought guidance on StackOverflow. The community quickly identified that the root of the problem lay in my attempt to use a local database connection string instead of the required Azure database connection string. This revelation reshaped my perspective and resolved the error. Clarification and Learning: Through this experience, I learned the critical distinction between local and cloud database connection strings

		<p>in .NET 6. The nuances of adapting the connection string to reflect the cloud-based Azure database were clarified, paving the way for a more accurate configuration in the appsettings.json file. The journey from confusion to clarity, facilitated by the insights gained from StackOverflow, not only resolved the immediate error but also deepened my understanding of the intricacies involved in configuring connection strings for cloud-hosted databases.</p>
Microsoft Azure	2023-08-11	<p>Embarking on Project 2, being introduced with Microsoft Azure by creating an account through my student credentials. This strategic move not only marked my entry into the cloud computing realm but also positioned me to harness the power of cloud services for my project. Account Creation on Microsoft Azure: Setting up my Microsoft Azure account was a seamless process facilitated by the student account offering. This not only granted me access to a range of Azure services but also laid the foundation for hosting my database in the cloud. Database Migration to the Cloud: With Azure as my chosen cloud platform, I seamlessly migrated my database to the cloud environment. This transition was a pivotal step in enhancing the scalability, accessibility, and overall efficiency of my project. Benefits and Advantages: The utilization of Microsoft Azure for Project 2 brought forth several advantages. The scalability of Azure allowed my project to adapt to changing requirements effortlessly. The cloud-based database ensured accessibility from anywhere, facilitating lecturer collaboration and testing across various environments. Moreover, Azure's robust security features instilled confidence in safeguarding my project's data. Learning and Skill Development: Engaging with Microsoft Azure not only contributed to the success of my project but also became a valuable learning experience. Exploring the various services, configuring cloud resources, and understanding the nuances of cloud-based databases broadened my skill set in cloud computing—a proficiency increasingly sought after in the tech industry. Overall Impact: The decision to integrate Microsoft Azure into my Project 2 not only showcased the practical application of cloud services but also underscored the significance of cloud computing in modern development practices. The experience not only enhanced the project's technical aspects but also deepened my appreciation for</p>

		cloud technologies and their transformative impact on application development. In summary, Microsoft Azure, with its user-friendly interface and robust features, proved to be an invaluable asset for hosting my database in the cloud. This engagement marked a significant step in my journey to becoming well-versed in cloud computing technologies.
UiPath	2023-09-12	Engaging with UiPath, undoubtedly one of the most captivating community platforms, provided me with an exhilarating journey of exposure and learning. The impact of this engagement was so profound that it fueled my consistent participation in various meetups. Taking the initiative, I created a post on the platform and received valuable responses, a testament to the helpful and extroverted nature of the community, particularly beneficial for newcomers. Diving deeper into the UiPath ecosystem, I actively subscribed to and followed the UiPath Community YouTube channel, immersing myself in insightful videos. Furthering my commitment, I joined the academic alliance, completing specific training prerequisites to participate in key events. Throughout this immersive experience, a profound desire to specialize in automation emerged, reshaping my initial aspirations of becoming a mobile developer. Automation, now a central focus, not only became a desired role but also a future endeavor. The journey was not without its challenges, notably in keeping pace with the array of meetups. Despite these hurdles, I successfully set up registrations for select events, demonstrating resilience and dedication to extract maximum value from this transformative community.
YouTube	2023-10-09	Through this YouTube subscription to the UiPath Community channel, I had the unique opportunity to virtually meet and learn from various UiPath members who served as speakers on the platform. These speakers, experts in automation and UiPath technologies, shared their insights, experiences, and expertise through engaging presentations and discussions. Meeting these UiPath members virtually allowed me to benefit from their diverse perspectives, practical tips, and in-depth knowledge of automation challenges and solutions. The community-driven nature of these sessions fostered a sense of connection and collaboration, transcending geographical boundaries. As I delved

		<p>deeper into the content provided by UiPath on YouTube, I found myself growing increasingly excited about the possibilities of automation and the impactful role UiPath plays in this domain. The enthusiasm generated by these learning experiences fueled my desire to explore automation further and, eventually, consider joining the UiPath community in a more active capacity. The speakers on the UiPath Community YouTube channel became not just educators but also mentors, providing valuable guidance and answering queries from the audience, including myself. This direct interaction with experienced UiPath professionals added a personalized touch to my learning journey, making the content more relatable and applicable to real-world scenarios. In essence, the YouTube subscription not only served as a gateway to UiPath tutorials but also facilitated virtual encounters with UiPath members. This exposure not only enhanced my understanding of automation but also kindled a genuine interest in becoming an active part of the UiPath community in the future.</p>
UiPath live	2023-09-12	<p>The UiPath live session I engaged with provided a comprehensive exploration of the current and future impact of automation on companies. The discussion delved into several key areas, shedding light on how automation technologies, particularly those offered by UiPath, are reshaping the business landscape.</p> <p><b>Operational Efficiency:</b> The session emphasized how automation tools enable companies to achieve unparalleled operational efficiency. By automating repetitive and rule-based tasks, businesses can streamline their processes, reduce manual errors, and enhance overall productivity. This efficiency not only optimizes resource utilization but also contributes to cost savings.</p> <p><b>Scalability and Flexibility:</b> Automation solutions, such as those offered by UiPath, were discussed as catalysts for scalability and flexibility in business operations. These technologies empower organizations to scale their processes seamlessly, adapting to evolving demands without the need for significant manual intervention. This scalability ensures that businesses can efficiently manage increased workloads and respond to market dynamics.</p> <p><b>Enhanced Decision-Making:</b> The session highlighted how automation contributes to data-driven decision-making. By automating data collection, processing, and analysis, companies can access real-time insights.</p>

		<p>This data-driven approach not only facilitates more informed decision-making but also empowers businesses to stay ahead of the competition by identifying trends and opportunities.</p> <p><b>Employee Empowerment:</b> The impact of automation on the workforce was a key focus. Rather than replacing human workers, automation was presented as a tool to empower employees. By automating routine tasks, employees are free to engage in more strategic and creative aspects of their roles, fostering job satisfaction and professional growth.</p> <p><b>Future Trends:</b> The session likely touched upon emerging trends in automation, such as the integration of artificial intelligence (AI) and machine learning (ML) for more advanced and intelligent automation capabilities. Discussions around the future likely explored how automation will continue to evolve, becoming an integral part of digital transformation strategies.</p> <p>Overall, the UiPath live session provided a holistic view of how automation is not just a technological advancement but a transformative force with far-reaching implications for businesses. The insights gained from this session likely fueled a deeper appreciation for the role of automation in shaping the present and future of corporate operations.</p>
UiPath	2023-09-30	<p>"🚀 Reflecting on the Automation Business Analyst Series 2023 Journey! 🤖✨ Embarking on the Automation Business Analyst Series 2023, I was not just stepping into a learning experience but venturing into uncharted territories of professional exploration. 🙌</p> <p><b>Introductions that Transcended Boundaries:</b> The series commenced with introductions, a moment that transcended the virtual barriers. Sharing my professional aspirations, I found myself in a space where curiosity was met with encouragement. 🤝</p> <p><b>LinkedIn, Not Just a Profile:</b> Having the opportunity to share my LinkedIn profile was not just about exchanging information—it was a gateway to connecting with remarkable individuals from all corners of the globe. The series transformed my LinkedIn from a digital resume to a vibrant network of like-minded professionals. 🌐</p> <p><b>A Global Tapestry of Extroverts:</b> Meeting extroverts in this space was a game-changer. The series curated an environment where every voice was not just heard but celebrated. Engaging with wonderful extroverts became an integral</p>

		<p>part of the journey, making every session not just informative but genuinely enjoyable. 🌐 Beyond the Virtual Walls: What surprised me most was the ripple effect beyond the sessions. Managers, owners, and various UiPath participants added me on LinkedIn, extending the camaraderie beyond the virtual classroom. Accepting LinkedIn connection requests became more than a formality—it was an acknowledgment of a shared journey. 🎉 Getting My Name Out There: The series provided a platform not just for learning but for getting my name out there. Sharing thoughts, asking questions, and actively participating in discussions were not just exercises in knowledge absorption but strategic moves in establishing my presence in the professional realm. 🌟 Becoming Somebody: Through active engagement and genuine interactions, I transitioned from being a participant to becoming somebody within the UiPath community. It's not just about what you know; it's about who knows you. The series paved the way for recognition, turning me into a valued member of the UiPath network. 🚀 Your Engagement Matters: One of the most amazing aspects of UiPath is that your engagement matters. It's a space where you are not just a participant but a valued contributor. Your thoughts, questions, and insights are not only acknowledged but celebrated. In the digital landscape, where interaction often feels impersonal, UiPath stands out as a community where you matter. 🌐 Towards UiPath Membership: As I reflect on this transformative journey, it's clear that UiPath is more than a learning platform—it's a community that values active engagement. Looking ahead, I am inspired to become a formal member of the UiPath community. The way they value engagement aligns with my professional ethos, and I anticipate being an active member in the near future. Here's to the connections made, the extroverts encountered, and the journey that continues to unfold! 🌟 #ReflectingOnAutomationBA2023"</p>
linkedin	2023-11-01	"🌟 **A Pinnacle Moment in My UiPath Journey: When Important People Added Me on LinkedIn! 🚀🔗 Every journey has its peaks, and for me, attending the UiPath meetings became a pinnacle moment. It was a turning point where my professional trajectory took

an unexpected, exhilarating leap.  Connecting with Influential Figures: As the sessions unfolded, I found myself interacting with influential figures within the UiPath community. These were not just names on a screen; they were industry leaders, managers, and key players in the automation landscape. The mere thought of connecting with them was both thrilling and somewhat surreal.  LinkedIn, the Catalyst for Professional Recognition: The series offered an opportunity to share my LinkedIn profile, and little did I know that this simple act would become a catalyst for professional recognition. It wasn't just about connections; it was about being visible to individuals who held significant roles in the industry.  Reaching Peak Engagement: As these important figures started adding me on LinkedIn, I realized I had reached a peak in my UiPath journey. It was a validation of my active participation, thoughtful contributions, and genuine engagement with the UiPath community. My LinkedIn notifications transformed into a hall of recognition.  From Attendee to Recognized Contributor: Moving from a regular attendee to a recognized contributor was a powerful transition. It wasn't just about attending sessions anymore; it was about being noticed, acknowledged, and valued by individuals who shape the automation landscape.  A Highlight in My UiPath Experience: This LinkedIn milestone became a standout highlight in my UiPath experience. It signified not only the growth in my professional network but the acknowledgment of my contributions within a community that values engagement at its core.  Elevating the UiPath Journey: As I continue my UiPath journey, this moment stands as a testament to the platform's ability to elevate not just skills but professional visibility. It's a reminder that every interaction, question asked, and insight shared has the potential to resonate with those who steer the course of automation excellence.  Looking Beyond: While this peak moment is a celebration, it's also a motivator to look beyond. The UiPath community has opened doors, and there's a sense of anticipation for what lies ahead. The journey continues, fueled by connections made, insights gained, and the recognition that every engagement matters. Here's to the peak moments and the UiPath community that transforms

		aspirations into milestones! 🌟🌟 #UiPathJourney #LinkedInMilestone"
UiPath	2023-11-03	Hey UiPath crew! 🙌🌟 Time to share my latest adventure in the UiPath community. This time, we went beyond introductions and took a deep dive into the coding realm with UiPath Studio X. 🌐💡🚀 The Meeting Agenda: The atmosphere was buzzing with excitement as we geared up for a hands-on session with UiPath Studio X. No more introductions; it was all about getting our hands dirty with real code! 🗂️💻💡 Coding with UiPath Studio X: The session kicked off with an overview of UiPath Studio X's capabilities, and then came the fun part—coding! 🎨 We delved into practical exercises, exploring the intuitive interface and functionalities that Studio X offers. 💻 From Drag-and-Drop to Coding Pro: Whether you were a drag-and-drop enthusiast or someone craving a bit more coding action, Studio X catered to all skill levels. The interactive exercises seamlessly transitioned from simple tasks to more complex workflows, allowing everyone to find their coding rhythm. 🎉🏃‍♂️🔍 Spotlight on Features: The meetup wasn't just about coding blindly; we had a closer look at powerful features like data scraping, Excel automation, and email processing. Each feature was dissected, explained, and put into action. 📊✉️💡 Lightbulb Moments: What stood out were those 'aha' moments—those instances when the code just clicked, and you could visualize the impact of your automation efforts. From automating mundane tasks to streamlining data workflows, Studio X showcased its prowess. 🌟💡💡 Sharing Insights and Challenges: The collaborative spirit of the UiPath community shone through as we shared insights, tackled challenges together, and celebrated victories. It's more than just coding; it's about growing together as automation enthusiasts. 🌐🤝🌐 The UiPath Community's Coding Vibe: This meeting wasn't just a coding session; it was a testament to the vibrant coding vibe that UiPath fosters. Whether you're a coding maestro or just starting, the UiPath community is the place to be for hands-on experiences and collaborative learning. 🚀💻 Excited for more coding

		adventures in the UiPath community! 💙 ✨ #UiPathCodingAdventure #StudioX #UiPathCommunityLove"
GitHub	2023-08-01	<p>foundation of a digital empire.💡🏰📝 Progressive Commits: With each passing day, my GitHub repository turned into a living timeline of progress. Every commit marked a step forward, a new feature added, a bug conquered, or an idea refined. The commit log became a testament to the evolution of my project.📊🤖 Meeting Challenges Head-On: GitHub wasn't just a platform for showcasing victories; it was a battlefield where coding challenges were conquered. Each 'push' represented resilience, every 'merge' symbolized problem-solving, and 'pull requests' stood as a testament to collaboration.</p> <p>💪🔧👁️ Project Showcase: GitHub served as the stage where my project unfolded its chapters. Visitors could explore the project structure, delve into the codebase, and witness the thought process behind each line of code. It's not just about the project; it's about telling its story.🎭🌐🗣️ Collaboration Corner: GitHub Issues and Discussions became the town square for collaboration. Here, fellow developers and contributors joined the conversation, shared insights, and collectively shaped the project's destiny. The power of collaborative coding resonated through GitHub's collaborative features.🤝💬🌐 Version Control Magic: Git's version control magic seamlessly integrated into my workflow. Branches allowed me to experiment without fear, and pull requests transformed solitary coding into a team effort. The orchestra of version control played harmoniously in the background.🎵🔄🚀 Continuous Integration Dreams: As the project matured, I explored the realm of continuous integration. GitHub Actions became the engine powering automated builds and tests, ensuring the reliability and quality of my project with every update.🛠🌐🌟 GitHub, My Coding Constellation: In the vast universe of project development, GitHub emerged as my coding constellation. A place where ideas twinkle, code constellations form, and the galaxy of collaboration gleams. As I continue this coding odyssey, GitHub remains my faithful guide.🌐✨ Join me on GitHub, where the code meets its destiny, and the journey is written commit by commit.</p>

		<p>commit! 🚀 🎨 #GitHubJourney #CodeChronicles #ProjectDevelopmentSaga"</p>
GitHub	2023-08-08	<p>🌟 Unveiling the Magic of Kanban: A Transformative Journey! 🚀 📊</p> <p>Ah, the enchanting world of Kanban—a magical realm where chaos transforms into organized brilliance. Let me share the captivating tale of how Kanban became my guiding light, not just in CMPG323 but in the entire academic galaxy. 🖌️ 🌟 🎨 The Canvas of Kanban: Kanban unfolded as a canvas of possibilities. It wasn't just a project management tool; it was my artistic palette for crafting a symphony of tasks and deadlines. The board became a visual masterpiece, mapping out the landscape of my academic endeavors. 🖔 🖔 🗓️</p> <p>Strategic Task Navigation: Navigating through the sea of assignments, projects, and exams became a strategic dance. Kanban taught me the art of task prioritization, ensuring that each move on the board was a calculated step toward success. The 'To-Do,' 'In Progress,' and 'Done' columns became my allies in this quest. 🚶️ 🗂️ 📝 Preemptive Planning Wizardry: The real magic happened before the execution. Kanban whispered the secrets of preemptive planning into my ears. Understanding the expectations of each task before diving in became a ritual. It was no longer about completing tasks; it was about mastering them with finesse. 🧙️ 📃 🗓️ Taming the Time Tornado: Time, the unruly tornado in the life of a student, bowed to the rhythm of Kanban. Less time was spent deciphering tasks, and more time was devoted to the actual work. The board became a time-management sorcerer, ensuring that deadlines were conquered without the chaos. 🕒 🌍 Multi-Role Mastery: Juggling roles as a student assistant, a supplementary instructor, and a diligent student became an art form. Kanban orchestrated the harmony between these roles, allowing me to dance gracefully through the myriad responsibilities while securing distinctions in my final modules. 🎓 🎉 🚀 Beyond CMPG323: A Lifelong Companion: As the curtain falls on CMPG323, the essence of Kanban lingers. It has become more than a project management tool; it's a lifelong companion in my academic odyssey. The principles of organized brilliance have transcended into all facets of my academic</p>

		<p>universe. 🌐 📚 🌈 A Grateful Kanban Explorer: In the grand tapestry of my academic journey, Kanban stands as a vibrant thread, weaving order into chaos. The beauty of its simplicity and the effectiveness of its principles have transformed the way I approach tasks, leaving me eternally grateful for this magical exploration. 🙌☀️ May your Kanban journey be as enchanting as mine, guiding you through the realms of academic brilliance! ☀️🚀 #KanbanMagic #AcademicJourney #OrganizedBrilliance"</p>
YouTube	2023-10-12	<p>👉 A Gratitude Journey: From Learning to Thriving! 🌟 As I reflect on this incredible module, it's not just the subject matter that stands out; it's the entire learning path, the transformation from where I began to where I'm headed. But in this moment of gratitude, I want to extend my deepest thanks to Mam for being the beacon of guidance throughout this enlightening journey. 🎨 A Maestro of Lessons: Mam, you are more than an instructor; you are a community engagement. Your teachings have been invaluable, providing us with more than just knowledge but a window into the industry. The exposure you've given us goes beyond the conventional 'getting it done' mentality; it's about adding value and making a real impact. 🌐 Worldly Exposure: Your challenges have been like stepping stones, keeping us on our toes, always ready for the next leap. Through your guidance, we've not only expanded our technical skills but also our worldview. The various community engagements you introduced us to allowed me to connect with incredible individuals from around the globe. 🌎 Comfort in the Uncomfortable: Your influence has been profound in shaping my career path. While initially fixated on the idea of becoming a mobile developer, your teachings nudged me to be open-minded, explore diverse platforms, and ultimately find my passion in automation. 🎤 A Testimony of Transformation: In the spirit of shared growth, I'm reminded of a story from China, where having little to no internet connection led me to challenge myself, forcing me into new exposures. It became a personal mission to step out of the comfort zone, embracing change, and showing up as the person I aspire to be. 🌈 Forcing Growth and Embracing Change: Just as China navigated</p>

		<p>challenges with resilience, your teachings encouraged me to navigate the challenges of self-discovery and professional growth. It's about embarking on new horizons, embracing the discomfort, and emerging stronger on the other side. 📚 A Personal Testimony: So here I am, a testimony of your impactful teachings and the journey from uncertainty to clarity. Mam, your mentorship has been the driving force behind this transformation, and for that, I'm truly grateful. 🙏 Infinite Thanks: Thank you for being more than an instructor—for being a guide, a mentor, and a catalyst for personal and professional growth. Your influence has made this learning journey not just educational but profoundly enriching. May your impact continue to resonate through the countless careers you shape. Here's to the next chapter of growth and learning! ☀️🚀 #Gratitude #LearningJourney #TransformationalEducation</p>
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## **5 Class Attendance**

Students are urged to make every effort to attend the virtual classes held every Thursday morning to ensure that they get the value and are able to utilise the opportunity to ask questions when they do not understand the work. The following attendance has been captured:

<b>Class</b>	<b>Attendance</b>
20 July 2023	Attended
27 July 2023	Attended
3 August 2023	Attended
10 August 2023	Attended
17 August 2023	Attended
31 August 2023	Attended
7 September 2023	Attended
14 September 2023	Attended
12 October 2023	Did not attend

**Table 5-1: Class Attendance**

## **6 Class Participation**

Students are urged to make every effort to attend and engage in the virtual classes held every Thursday morning to ensure that they get the value from the class and are able to utilise the opportunity to ask questions when they do not understand the work. The following engagement has been captured as per the completion of class quizzes:

<b>Activity</b>	<b>Completion</b>
GitHub Homework	Submitted
Agile Quiz	2
Design Patterns & Standards Homework	Not Submitted
API Assignment	Submitted
ASP.NET Assignment 1	Submitted
ASP.NET Assignment 2	Not Submitted

**Table 6-1: Class Participation**