**Group 3 – Video Demonstration Script – Sprint 2**

# Flow of the Demonstration:

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3. Josh Boratynski – Security Implementation
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# Individual Scripts:

## **Jack Morgan:**

**Introduction to the Project:**

Hello, my name is Jack Morgan and I am the Project Manager for our project – Survey4All. Our Project is a survey creation website that concentrates on offering a user friendly experience in which users can easily create surveys by setting up an account on the website. Once an account is set up, the user will be able to create a survey which, once posted, can instantly be viewed on the website. These surveys can be found either through their own personal account dashboard or on the ‘view surveys’ page - which is global to all users. Users also do not have to be logged in to answer surveys as they are anonymous. This allows users to easily answer surveys that they are interested in whilst enabling them to complete these surveys without having to create an account or login to our website.

**Role Contribution:**

As Project Manager, I have created tasks for each individual group member on a software called Basecamp. Through this, I have set up each member’s individual task that they need to complete, providing them deadlines for the tasks to be completed by and adding any extra information about their tasks that they might need. I have also set up a Discord server which the team uses to communicate with one another, this has been very helpful for the team and has allowed us to organise conversations and save links, documents and videos that we might need in easy access places that can be easily found and used without hassle. I have also set up meetings through the use of events on Discord which have been very helpful in alerting members that a meeting is live. Additionally, I have set up a group on Teams, which our group uses twice a week to meet up online and to check up on the progress of the project. When doing these meetings, I also take attendance using the attendance spreadsheet that I created to help me keep track of the attendance of each member. To help the meetings flow as smoothly as possible, I also create a weekly meeting planner using the text document creator on Basecamp. In this planner, I write down what we need to go through and check on in the next meeting allowing us to be able to know what will be looked at and talked about in the upcoming meeting. I update this planner after every meeting. I also set up the GitHub repository which is used by the group to share files. During this sprint, I have kept my eyes on GitHub a lot to keep track of how much work is being uploaded so that I can monitor the amount of work completed by each member of our group. I have also helped to organise the repository to make sure that files are easy to find to create an easier experience for each member of the team. The final thing that I have done in my role is to upload the front end files of the website to my Mi-Linux. Team members are able to send me their files to get uploaded to Mi-Linux quickly so that they can test if it works and see how it looks on the website.

## **Kamil Grudzinski:**

As the business analyst for this project, I have been working alongside the development team to ensure that the requirements of our users are met and that the final product is usable and efficient. After the MMP was released, I am proud to announce that the project has been successfully completed. This survey website is designed to allow users and businesses to make important decisions that can impact their daily lives, ranging from small-scale choices such as deciding what movie to watch, to large-scale decisions such as making important company-wide choices.

One of the main benefits of using this website is the elimination of the use of paper, which can have a positive impact on the environment by reducing the need for printing and the use of paper. Instead, users can easily access the website from their phones or computers, and create surveys that can be shared with others, making the decision-making process streamlined and easily accessible to all.

Our website boasts a user-friendly interface that makes survey creation and voting easy and accessible to all users. Additionally, we understand the importance of data security and have taken several measures to ensure that our users' data is encrypted and protected. We also clearly communicate our data policies and practices to users, ensuring their peace of mind and trust in our platform.

Overall, our survey website offers numerous benefits and features that make it an attractive option for businesses and individuals looking for an efficient and environmentally-friendly way to make important decisions. I hope that this detailed explanation of our project has given you a better understanding of its capabilities and encourages you to use our website in the future.

## **Kieron Ransley:**

As we have progressed from the MVP to the MMP stage of our project, we decided on adding new features to the website, in the form of allowing our users to answer the various surveys. As Database Analyst, I designed and set up a relevant database table to accommodate this data. Like in demonstrated in the MVP demo, I first designed the table in the Oracle Data Modeller tool, so I could see what columns, datatypes and constraints the table would need, furthering this I made a quick DDL script as part of the design stage. Finally I then constructed the database om PHPmyadmin, as per my designs, and that has been what our developers have connected to, to store the data that they needed to.

I have also developed a few additional items outside of my role for the project. I have essentially created the webpages that will house the various functions of our website that the other developers created. These are all interconnected via a navigation bar, that links you to the various different webpages, which the user has free roam of. As I developed these pages I received feedback of the members of the team, and we tested for any issues or problems in them. As you can see on the homepage I created a little pop-up that warns the user about the various legal aspects of the website. The particular legal jargon was written by our security consultant. Part of the reason we wanted to create webpages like these was a way to ensure our website was all connected, all centralised, make it easier for the user to get around. But also, we wanted to have all the different webpages have a very uniform look that made it look that bit more professional.

## **John Hewitt:**

Hello, I am John Hewitt, during my role as one of the software developers, I was tasked with purely the functionality of the website. As the survey creation and survey answering is the key to the core principles of the company. In sprint 1 I created the survey creation website as that is needed before you can answer the surveys. During this sprint I worked on the survey answering portion of the webpage.

* I created the basic layout, kept it in style with making the surveys.
* Created a basic API that allows the server to get the information for a survey based on the ID.
* Using this basic API you can retrieve any survey.
* First API gets the survey name as its stored within a separate database.
* Second API gets the survey questions.
* Use the information from the API to create a page with all the questions and answer boxes.
* We also needed a way to view surveys so I created the page to do this.
* I used another API for this as I needed more information than just the survey name.
* It gets the survey name and survey ID and makes a hyperlink that will take you to the page.
* I then added a search bar to this page.
* Made another API to get the surveys based on a user

## **Sapphire Dixon:**

## "Hello everyone, today I will be discussing about my role and contribution to this sprint where I have updated the registration/Login system where users can navigate to their profile page once they are logged in through a PHP script that showcases a user's profile information on a web page. Let's walk through the functionalities of this code.

For instance, I had mange to develop a code that organises user sessions by beginning and processing a PHP session and where the page can check if the user is logged in. If the user is not logged in, the code redirects them to the login page.

The code works through a connection to Kieran's database in MYSQL, which is possible with the mysqli extension in the code where it retrieves the user's profile information from the 'Users' table.

Furthermore, the code then creates an HTML page with a table that displays the user's profile information, including their username, name, email address, and join date.

And finally, the page includes three buttons such as Logout', 'Dashboard', and 'Home'. Therefore, when the users click onto the logout button it navigates them back to the'logout.php' and the same process will happen with the other two buttons.

Overall, this code will display the user’s information on a webpage with functionalities for session management, database connection, and button actions."

I was assigned to create a new page where users will be able to contact us through email on the contact us page where I have created a code using HTML that allows users to send messages to a specified email address. Here are the main functionalities of this code:

In the code you will notice the form fields where the user can input and enter their name, email address and their message that they wish to send. I did this through making sure that the field types are correct such as for the name and email fields their type is text while the message is text area.

When it came to the form submission, I had used JavaScript. For instance, when the user presses onto the button the form data is sent to a Google Apps Script URL specified in the "URL" variable. The form data is sent using the POST method and is encoded using FormData.

The code should then display a message to the user after the form is submitted that states if there was an error or not while the page is processing the instruction.

Overall, this code will display a simple HTML contact form that sends messages to a specified email address, which in our case Jack our project manager and includes basic functionalities for form submission, feedback, and styling.

On the registration page I have added input validation where users must enter their information in enable to login along with a checkbox that users must tick that they agree to the terms of service with links for them read before they can procced to login.

And finally on the login page I had added a popup that explains why they cannot create a survey on the create survey page.

## **Callum Moore:**

## **Josh Boratynski:**

My name is Josh and I am the Security Consultant and Business analyst for the Survey 4 All project. Let me present you the security features embedded into the user registration page on our website. ( I will show examples of how the implemented functions work practically on the registration page of the website, and I will perhaps show few bits of the php code. I will have to see how much time it will take when I will be recording the Video )

* Present the security features implemented in the registration.php file.
* Explain why certain attacks like SQL injections and XXS would not be successful on registration page due to implemented Input Validation. ( Limitation on character count, not allowing special characters)
* Created rules for creation of strong passwords by the users: minimum amount of character as 8, minimum 1 special character, 1 capital letter, 1 small letter and 1 number.
* Show a piece of malicious code an explain why it would not work. ( <script></script> tags would not pass to the database due to Input Validation that doesn’t not allow special characters on username and name fields.
* Mention about function that checks if username and email address exists already in the database and informs the user to input unique value.
* Encryption of the passwords with SHA-3 Algorithm before storing them in the database. This protects passwords of users in case of attacks on the database,
* Explain the legal documents: Terms of Service, Cookie Use policy, Privacy Policy