***Oral Anglais 2 :***

1. Select a programming language. Describe what it is used for, its popularity, its benefits, and its drawbacks.

I've decided to choose Javascript as my language. Javascript is used almost all the time in web development to create sites. this language is very popular because it is one of the most used languages in the world and has many advantages. It is very easy to use and understand because it is simple to learn as a language. there is a lot of framework and library which allow us to improve the speed of work and other. and even if we are blocked, there is a lot of support which to unblock us very quickly.

but there are also a lot of disadvantages like a lot of problems between internal browsers for example your site can work on Chrome but not on Firefox. even if there are a lot of Frameworks this also causes a problem because it can be too dependent on that because Javascript doesn't have a lot of basic functions. it's not the best language in terms of performance. it's a problem if we must wait several minutes to see that our site doesn't work.

1. Choose a programming language that is currently gaining popularity. Explain why.

In languages, Javascript is very popular, but I'm going to talk about Python. Python is becoming popular again because it's the informatic language that's easiest to learn. for example, this year, I started learning Python at home. I managed to create a bot discord. there's also the point that there's a very rich ecosystem. and now I. A is becoming very popular and Python is often used to code them.

1. What is a framework? What is a library?

what is a framework? it's a set of libraries, tools and conventions that provides a structure for software development. It is designed to facilitate the development process by providing a solid foundation on which developers can build their applications. A framework can include basic functionality, such as network request management, database management, user input processing, session management, etc. Many frameworks have these advantages and disadvantages.

What is a library? It is a collection of pre-written and pre-compiled functions, classes, or modules that can be used to develop software. Libraries provide specific and reusable functionalities that allow developers to save time by avoiding reinventing the wheel every time they need them. They can be written in various languages and are often used for specific purposes.

1. What is UX design about? What is UI design about? How are they related?

Ux is the creation of user experience for products, services, and others. it focuses on user satisfaction and usability by considering different aspects like usability, usability, and others; UX aims to meet the needs and expectations of users.

UI focuses on visual and interactive user interface design. for example, site menus, other. it is a question of creating the graphic and other elements. UI aims to make the user interface easy to use, interesting and others.

UX and UI are completely linked together because UX will be the foundation of video games, the website, and others by understanding the motivations and needs of users by doing research, personas, and others while UI gives life to games and sites by making visual and other elements.

1. Select an example of good UX design and an example of bad UX design. Explain why they are good/bad.

I chose the as good and bad examples of UX. The Mass Effect saga why because the first 3 Mass effect was perfect UX levels by improving little by little because he listened to the fans who gave the negative points gameplay levels like dialogues, fights and bugs to settle but when they arrived at Mass Effect Andromeda is like they all dropped out of the first 3 because of UX. the game lost its reputation because no one was interested because the game was hard to use because of the bugs that the game had and still has such as the dialogue part which interested no one so the game quickly lost fans but the game can thank UI which allows having beautiful maps and others.

10) Give 3 tips to write better emails. Explain them in detail.

my three tips are the simplest, but they are the most important.

The first is to be clear and concise and avoid long sentences and confusing wording. simple and short sentences are better for having a perfect email.

my second piece of advice is to have the right tone. Of course, you must choose the right tone, if you talk with a friend, you can use young people's terms so if you send an email for a student job and others, you must be formal to respect the person.

and the last is the structure. you need a correct structure with a greeting at the beginning then an explanation of the email, and the end sentence of the email.

11) Why should you structure your presentation? What are the benefits of using visuals? How can you be relatable?

the importance of the structure of a presentation. This is very important because it helps to organize ideas in a clear and logical way. if the structure is solid, it makes it easier for the audience to follow the presentation. a perfect presentation is to have a simple introduction, well-defined sections, and a summary conclusion.

what are the advantages of using visuals is to improve understanding which will help to convey information clearly this makes it possible to simplify terms make concepts simpler etc. which allows you to maintain attention on yourself and your presentation a beautiful visual will be interesting to watch but if you have a visual with colours that hurt the eyes. the audience will watch your presentation less.

to be accessible, you must already use clear and simple language. the simpler and clearer your language is, the more the audience will understand your presentation. use examples when talking about complicated or unfamiliar terms to your audience, give examples so that people understand your presentation.

12) Body language: How should you make eye contact? How should you stand? How can you improve your posture?

To establish eye contact, it is important to look at your audience and not the background or the floor because when you present something, looking at the people allows you to see who is listening and following your presentation. Of course, you should not fixate on the same person. You should look at your entire audience because you need to see people's reactions to determine if they understand your text and other aspects.

How to stand: You should stand up straight to demonstrate confidence in yourself. Avoid crossing your arms as people may perceive it as shyness or being closed off. Use your arms when presenting something. And refrain from swaying your body to avoid displaying signs of stress.

How to improve your posture: A good posture is important for body language and other aspects. Strengthen your back muscles with exercises to maintain an upright position more easily. Be conscious of your posture to avoid showing any weaknesses like stress, shyness, and others.

13) What are the most frequently used types of apps? Why? Why do we delete apps?

The most used applications are social media apps like Instagram, Snapchat, and Discord, which allow you to stay in touch with your friends, share photos, and do various other things. There are media applications like YouTube, Netflix, and others that allow you to watch your series and more anywhere.

Why delete them? Lack of usage because you use the application less and less, so you delete it. The evolution of needs can be a reason as well. In the beginning, you may need the application, but later you no longer need it. For example, with apps like Netflix or others, you may have initially subscribed to watch a particular series, but then you find another app that allows you to watch your favourite series without waiting for months. Therefore, you switch.

14) What are the pros and cons of a native app? What are the pros and cons of a web app?

The advantages of a native application are its performance as they are developed specifically for iOS and Android, utilizing languages that enable excellent performance. They also offer offline functionality as they reside on your phone, allowing you to use the application without an internet connection, among other benefits. The disadvantages include development time and costs as different versions need to be created for each platform. This can result in problems with updates and accessibility barriers.

For web applications, the advantages include accessibility across multiple platforms, such as Discord, which can be accessed on PC, mobile phones, and now consoles like PS5 and Xbox. Updates are easier as they can be applied universally across different platforms, and development costs are generally lower. However, the drawbacks include limited performance for advanced features and the requirement for a stable internet connection.

15) What are Progressive Web Apps? What are the benefits of Progressive Web Apps compared to traditional web apps or even native apps?

A Progressive Web App (PWA) is a web application that is designed to function reliably across different platforms and provide a user experience like native apps.

The advantages of Progressive Web Apps (PWAs) are that they are available on multiple different platforms, they have a simple installation process like native apps, they can function offline without a Wi-Fi connection, and updates are fast since the updates are the same across all platforms.

16) Select an interesting example of e-government app and describe it

MyID.be is a government application that allows all Belgians to connect more easily to their administration from anywhere, whether they want to do their paperwork from home or from their workplace. This helps a lot of people as they no longer have to travel for paperwork and other administrative tasks.