**Milestone 2**

|  |  |
| --- | --- |
| Name | Student ID |
| Alec Kurkdjian | 40056402 |
| Cong-Vinh Vu | 40061685 |
| Irfan Ahmed | 40056645 |
| Shadi Makdissi | 40060588 |
| Ogo-Oluwa Jesutomi Olasubulumi | 40055693 |

**Information on our two stakeholders:**

The first interview we did was with Daniel on 4th of October at 5 PM. Daniel is a student in his second year at Concordia university. He is a co-op student, so he usually studies as a full-time student. The interviewee is currently working as intern at Genetec after finishing his first year of studies in Software engineering. He works as a programmer at Genetec. He uses a C++ programming language at work which is an object-oriented language like C# and is made by Microsoft. At Genetec, they usually use Microsoft products for their tasks such as, SharePoint, Word, Excel and especially Power Point for presenting. They also do a presentation every one or two days for 5 to 10 minutes about the daily progress of their work. They sometimes have issues with presenting due to the distraction by the presenter’s movements. He commented on our project that it could help people to focus more on the presentation itself as well as give the users the ability to personalize their movement based on their needs. Moreover, Daniel said the privacy is something important about the product we present; for example, since the application has access to the mobile’s camera, it must be secure and the people have to feel safe about it while they are doing something in their homes.

On the other hand, Samer is another stakeholder we did an interview with on 5th of October at 5.30 PM. The interviewee finished studying during the winter semester 2019 and graduated from Concordia university with a bachelor’s degree in civil engineering. He has a company which does 3D scanning for civil projects mainly based in Canada, but they do some projects outside the country. Samer works as the directing manager at his company and does many presentations everyday with his clients. Depending on the job flow, they sometimes do from a lowly as 6 presentation per week or as much as 4 presentations everyday. The problems they face vary from PC issues to I Clicker instability, so they always prefer something reliable. Samer said that our project must be simple. does not introduce new programs, shock resistance and, introduce new useful features.

**Part 0 Set interviewee at ease:**

* Thank you for coming.
* Did you have any issues finding the place?

**Part I: Establishing the Customer or User Profile:**

* Are you currently a student?
  + - If so, are you part time or full-time student?
    - What program are you currently studying in?
    - How many years have you completed so far?
    - What is your opinion with the implementation of technology with education?
* Are you currently working in a company?
  + - What is your position and role in that company?
    - What technologies do you use in the workplace?

**Part IIA: Assessing the Problem:**

* How often do you do presentations?
  + - What platform do you use for your presentations/the presenter uses?
  + Do you encounter issues when doing presentation?
    - Why do you believe these problems exist?
    - How do you solve those issues?
    - How would you like to solve it?
* Have you ever used clickers in presentations before?
  + - If yes, have you ever encountered any issues with it?
      * How did you solve those issues?
      * How would you like to solve it?
    - If no, why not?

**Part IIC: Recap for Understanding:**

You have told me:

* Interviewees answer
* Interviewees answer
* Interviewees answer
* Is there any additional problem you are experiencing?

**Part III: The Analyst’s Inputs on the Customer’s Problem:**

* Less fluidity in presentation because of necessity of getting close to the computer.
* Distraction for the audience because of necessity of getting close to the computer.
* Is this a real problem?
* What are the reasons for this problem?
* How do you currently solve the problem?
* How would you like to solve the problem?
* How would you rank solving these problems in comparison to others you’ve mentioned?

**Part IV: Assessing Your Solution (if applicable):**

* Our application is used to facilitate presentations by allowing the user to access some features of some presentation software such as PowerPoint with simple gestures.
  + It will give user ability to personalize their movement based on their needs
    - What is your input on the application and the benefits it offers?
    - What do you think we can add to this app in order to improve it?

**Part V: Assessing the Opportunity:**

* In your opinion who is most likely to use this product and why?
* Do you think it is possible to implement the product to help you with your day to day tasks?
* How much would you pay for this type of product?

**Part VI: Assessing the Reliability, Performance, and Support Needs:**

* What are your expectations for reliability?
* What is your expectation for performance?

**Part VII: Other Requirements:**

* Do you see any ethical issues regarding our product?
* Is there any requirement that we should be aware of?

**Part VIII: Wrap-up:**

* Do you have any concerns or question regarding our discussion today?
* Are there anything you want to add on to that we could have missed in our discussion?
* We appreciate the time you have given us, and we wish you a good day.

**Part IX: The Analyst’s Summary:**

* … (When interview is done)
* … (When interview is done)
* … (When interview is done)

**3 keys outcomes from the first interview:**

Shadi:

1. The reliability of the product.
2. The phone should be on standby all the time.
3. The privacy of the android application.

Irfan:

* 1. Application should not invade one privacy such as having access to camera, microphone, etc.
  2. The motion sensor should be tested for there to be no issues in presentations.
  3. People would tend to go more for products that are free.

Alec:

1. Bug free
2. We must be careful that sensor the correct motion
3. The product will allow better concentration for the audience

Ogo-Oluwa Jesutomi Olasubulumi:

1. During interviews, fluidity is an important key so as not to lose the attention of the attendees
2. Moving too much in an interview to move the mouse causes distraction in the interview
3. Using accessories is very important for to aid better presentations in the interview

Cong-Vinh Vu

1. Movements due to use of the application should not hinder the fluidity of a presentation.
2. Allow the user to configure which movements they would like to access the application's features.
3. The application should allow the user to adjust the sensor's sensibility.

**3 keys outcomes from the second interview:**

Shadi:

1. Presenting new features to attract the clients.
2. The simplicity of the product.
3. Competitive price.

Irfan:

1. The application should be simple and easy to use. One should be able to use the product without reading the instruction manual.
2. The product should be compatible with commonly used device such as computer, phones and not force the user to purchase additional equipment.
3. The product should not break easily, should have a long lifespan and should not harm the user in any way.

Alec:

1. The product must be simple.
2. We should make a pointer that allows the user to zoom in the presentation.
3. The product should be small and light.

Ogo-Oluwa Jesutomi Olasubulumi:

1. Using a clicker causes issue when the needs to be changed and this can be solved because the sensor’s does not require a changed.
2. The cost of the app should not be more than the cost of getting all other alternative accessories you need for a presentation like clickers, external mouse etc.
3. Any devices/app replacing the current ones should be able to do better than the current ones (like zoom in/out) in other to convince users to buy it.

Cong-Vinh Vu

1. The sensor could be very sensitive and apply features in an unwanted manner.
2. The application needs other features than allowing the user to show slides sequentially with a sensor.
3. The cost of the application and sensor should be equal or lower to competitive products such as a clicker.

**The product backlog can be found in the excel sheet named “Product Backlog”.**

**Computer Simulation Plan**

* Modelling the sensor’s inputs and outputs
* Modelling the connection between the device and the sensor, output of the sensor and input to the device

**Information to be discovered by your computer simulation**

* The sensitivity of the sensor
* The maximum distance tolerated by the device from the sensor, all the while having correct data gathered from it
* The penetration depth of the connection between the device and sensor
* The response time of an input

**How that will be done**

* The computer simulation will be done through the usage of MATLAB

**ETHICAL ISSUES**

An ethical issue that can arise from our product is potential of misuse. For instance, our application will use a motion sensor to control the fluidity of the presentation and an individual could use vulgar signs as gestures since it cannot me monitored and removed. As such users would be able to use it anywhere.

Another ethical issue is the app monitoring other activities of the user which he/she would not want to be monitored on. The app request permission from user to use thing like Bluetooth and access to files on the device and this could lead to invasion of privacy.

Another main ethical issue is that the sensor allows an individual to be able to control any control devices being controlled by the sensor regardless of user is. This could cause other individual have access to control things controlled by the sensor.