**ACTIVITY No. 4 : Understanding Human Computer Interaction using Paradigm**

**Objective**

1. Identify interactive system designs in terms of its usefulness and usability.
2. Describe good and bad designs from existing computer technologies.

**Materials**

* Personal computer
* Internet connection

**Background**

HCI is the study of how users interact with computer technology. We will look at these technologies from a user’s point of view whether it allows the user to do what the user wants to do***: quickly, efficiently and effectively*** looking further whether interactive systems are ***usable, useful and accessible*** to its expected users.

**Procedure**

1. For each of the following systems, identify whether it is useful or usable. Justify your answer.

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| --- |
| Define: **Useful** |
| Answer: |
| Source: |
| Define: **Usable** |
| Answer: |
| Source: |

1. Your answer must be in the form:

System X is (not) **useful** because\_\_\_\_\_\_\_\_\_   
System x is (not) usable because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: What you write after ‘because’ is important, because this demonstrates the thinking behind your answer. This means you should always say why you have answered the question in the way you have.

1. An automated teller machine(ATM) for a user wanting to withdraw money

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| --- |
| URL: |
| An automated teller machine (ATM) is useful because they spare people the hassle of waiting in line at the bank by providing access to banking services in other places.  An ATM is usable because the user wants to withdraw money. |

1. An ATM for a visually impaired user wanting to withdraw money.

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| URL: |
| An ATM is useful for a visually impaired user because it provides him or her independence and convenience in managing their finances.  An ATM is usable for a visually impaired user because there are accessibility features such as tactile keypads and audio instructions present to help people with visual impairments. |

1. The olx.com.ph OR carousell.ph website for a user wanting to buy a Harry Potter book .

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| URL: |
| The site carousell.ph is useful for a user wanting to buy a Harry Potter book because the carousell.ph is a platform for buying and selling goods online. While the site is useful for buying a Harry Potter book, the availability of the said book is not guaranteed since there may be no stock or sellers for it.  The site is useable for a user wanting to buy a Harry Potter book because the site is intended for buyers to buy goods and sellers to sell stuff. |

1. The olx.com.ph website for a user wanting to buy a book containing the image of Grace Hopper.

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| --- |
| URL: |
| The site is not useful because what the user wants is vague. There may or not be a book containing the image of Grace Hopper in the site but unless the user specifies the title of the book, the site will not be of much help.  The site is useable because the user can search for the specific details of the book he or she wants. |

1. The Facebook.com for a user wanting to gain and communicate with friends.

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| URL: |
| The site is useful for wanting to gain and communicate with friends because facebook.com is a social media website/application meaning that social interaction is the goal of the applications.  The site is useable because the user’s intentions is in line with the purpose of the application. |

1. The facebook.com for a user wanting to know a person’s location.

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| --- |
| URL: |
| Using facebook.com as a means for knowing a person’s location is not useful since that kind of information can be manipulated meaning that the location that the profile shows may or may not be correct.  Facebook.com is useable in knowing a person’s location because the application has features such as location tagging, check-ins, and location sharing that allows users to share their location to the public. |