Introduction to Human-Computer Interaction Group Term Project

Data Gathering Questionnaire Questions

School: School of Computing & Information Technology (SCIT)

Faculty: Faculty of Engineering & Computing (FENC)

Lecturer/Tutor: Dr. Nadine Maitland

Group Members:

Iyana Taylor - 2209566

Errol Hunter - 1905299

Benjamin Robinson - 2000724

Module: Introduction to Human-Computer Interaction

Module code: CIT3023

Participation Form

We are inviting you to take part in this questionnaire. Before you agree, please read the information below carefully.

Purpose of the Study

The information collected in this questionnaire will be used for research and may be published or shared publicly.

Confidentiality and Anonymity

- **Your responses will remain anonymous.**

- **No names, contact details, or other identifying information will be collected or published.**

- **Only summarized or grouped data will be shared.**

Voluntary Participation

- **Your participation is completely voluntary.**

- **You may choose not to answer any question.**

- **You may withdraw from the questionnaire at any time before submission.**

Consent

By proceeding with this questionnaire, you confirm that:

- **You have read and understood the information above.**

- **You agree to take part voluntarily.**

- **You understand that your responses may be used publicly, but your identity will remain anonymous.**

Participant's Confirmation:
☐ **I agree to participate under the conditions described above.**

Date: _____

Signature (if required): _____

Online Questionnaire Survey Questions

Section A: Demographics and Usage (6 questions)

A1. What is your Gender
- **Male**
- **Female**

A2. What is your age range?

- **18-24**

- **25-34**

- **35-44**

- **45-54**

- **55-64**

- **65+**

A3. How would you describe your overall comfort level with technology?

- **Very comfortable - I quickly adopt new tech features**

- **Comfortable - I'm generally good with technology**

- **Moderate - I can handle basic functions, but sometimes struggle**

- **Uncomfortable - I find technology challenging**

- **Very uncomfortable - I prefer to avoid new tech features**

A4. On average, how many hours do you spend watching YouTube per week?

- **Less than 1 hour**

- **1-5 hours**

- **6-10 hours**

- **11-20 hours**

- **More than 20 hours**

A5. How long have you been using YouTube with a logged-in account?

- **Less than 1 year**

- **1-3 years**

- **4-7 years**

- **8-12 years**

- **More than 12 years**

- **I do not use a logged-in account**

A6. What types of content do you watch most on YouTube? (Select all that apply)

- **Entertainment (comedy, vlogs, reaction videos)**

- **Educational content (tutorials, how-to guides)**

- **Music and music videos**

- **Gaming content**

- **News and current events**

- **Technology reviews**

- **Cooking and lifestyle**

- **Sports content**

- **Other: _____**

Section B: History Search Experience (8 questions)

B1. How often do you try to find videos you've previously watched on YouTube?

- **Daily**

- **Several times a week**

- **Once a week**

- **A few times a month**

- **Rarely (less than once a month)**

- **Never**

B2. Are you aware that YouTube has a "Watch History" feature?

- **Yes, and I use it regularly**

- **Yes, and I use it occasionally**

- **Yes, but I rarely use it**

- **I'm aware of it, but have never used it**

- **No, I didn't know this feature existed**

B3. When trying to find a previously watched video, which method do you use most often?

- **Search YouTube using keywords I remember**

- **Browse my watch history chronologically**

- **Use the Watch History search bar using keywords I remember**

- **Search through my "Liked Videos" playlist**

- **Look through subscribed channels**

- **Ask friends or check my browser history**

- **Give up and try to find similar content instead**

B4. How successful are you typically at finding videos you're looking for in your watch history?

- **Very successful (find it 90-100% of the time)**
- **Usually successful (find it 70-89% of the time)**
- **Sometimes successful (find it 40-69% of the time)**
- **Rarely successful (find it 10-39% of the time)**
- **Never successful (find it less than 10% of the time)**

B5. Rate your level of frustration when you can't find a video you've previously watched:

Scale: 1 (Not frustrated at all) to 5 (Extremely frustrated)

- **1 - Not frustrated at all**
- **2 - Slightly frustrated**
- **3 - Moderately frustrated**
- **4 - Very frustrated**
- **5 - Extremely frustrated**

B6. What information do you typically remember about videos when trying to search for them? (Select all that apply)

- **Exact title or keywords from the title**
- **Channel name or creator**
- **General topic or subject matter**
- **Specific scenes or moments from the video**

- **Thumbnail image**

- **When approximately I watched it**

- **Why I was watching it (context/purpose)**

- **How someone described it to me**

B7. How much time do you typically spend trying to find a specific video before giving up?

- **Less than 2 minutes**

- **2-5 minutes**

- **6-10 minutes**

- **11-20 minutes**

- **More than 20 minutes**

- **I don't give up until I find it**

B8. Describe a recent situation where you couldn't find a YouTube video you had watched before. What were you looking for, and what made it difficult to find? *[Open-ended text response - 2-3 sentences]*

Section C: Preferences and Accessibility (3 questions)

C1. How interested would you be in a feature that lets you search your YouTube history using natural language descriptions (e.g., "the video where someone fixes a phone with toothpaste" instead of exact keywords)?

- **Extremely interested**

- **Very interested**

- **Moderately interested**

- **Slightly interested**

- **Not interested at all**

C2. What concerns, if any, would you have about an AI system analysing your YouTube watch history to improve search results? (Select all that apply)

- **Privacy concerns about AI accessing my data**

- **Accuracy concerns - AI might not understand what I'm looking for**

- **Preference for traditional search methods**

- **Concerns about data being stored or shared**

- **Technical complexity might make it harder to use**

- **No concerns**

- **Other:** _____

C3. If this natural language search feature existed, how likely would you be to use it instead of current search methods?

- **I would use it exclusively**

- **I would use it most of the time**

- **I would use it sometimes, depending on the situation**

- **I would rarely use it**

- **I would never use it**

<p style="text-align: center;">**Semi Structured Interview Question**</p>

Section 1: Opening (5-10 minutes)

Main Question: Tell me about your YouTube usage habits. How often do you watch YouTube, and what types of content do you typically watch?

Follow-up probes:

- **How long have you been using YouTube?**
- **Do you have a YouTube account that tracks your watch history?**
- **How many videos do you watch per week?**

Section 2: Current Search Behaviour (15-20 minutes)

Main Question: Can you walk me through what happens when you're trying to find a video you've watched before but can't remember the exact title?

Hands-on Task: "I'd like you to open your YouTube account and show me how you would typically search for a video from your watch history. Please think aloud as you demonstrate your process."

Follow-up probes:

- **What's your first instinct when searching for an old video?**
- **How often do you use the watch history feature?**

- **What search terms do you typically try first?**

- **How many different search attempts do you usually make before giving up?**

- **Can you describe a recent time when you couldn't find a video you were looking for?**

Section 3: Memory Patterns (10-15 minutes)

Main Question: When you're trying to remember a video, what details typically come to mind first?

Follow-up probes:

- **Do you remember visual elements (thumbnails, scenes, etc.) better than titles?**

- **Do you tend to remember the creator's name, the topic, or specific moments from the video?**

- **How do you typically describe videos to friends when recommending them?**

- **Give an example of how you might describe a video you watched recently to someone else.**

Section 4: Task Scenarios (10-15 minutes)

Main Question: I'm going to give you some scenarios. How would you currently try to find these videos in your history?

Scenarios to present:

1. **"You watched a cooking video last month where someone made pasta without boiling water, but you can't remember the chef's name or channel."**

2. **"You saw a funny video where a cat kept knocking things off a table, and you want to show it to a friend."**

3. **"You watched a tutorial about fixing a squeaky door hinge using a household item, but you can't recall what the item was."**

Follow-up probes:

- **What would be your search strategy for each scenario?**

- **How confident are you that you'd find these videos with current methods?**

- **What information would be most helpful to have when searching?**

Section 5: Ideal Solutions (5-10 minutes)

Main Question: If you could design the perfect way to search through your YouTube history, what would that look like?

Follow-up probes:

- **What if you could describe videos in your own words instead of using exact titles?**

- **How would you want the system to understand and interpret your descriptions?**

- **What would make video searching faster and less frustrating for you?**

- **Are there any concerns you'd have about an AI system analysing your watch history?**