

# 2022 S2C INFO3315 Reflective summary 2

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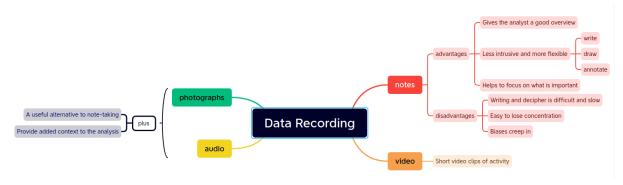
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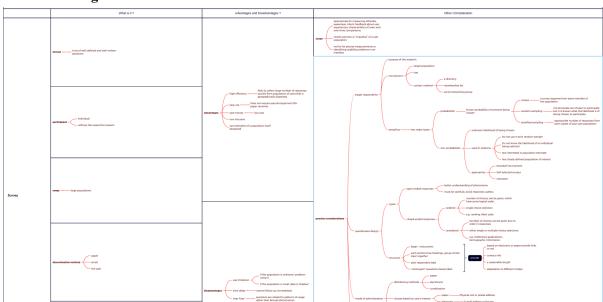
Q1: Create a diagram or a cheat-sheet summarising all the methods that can be used to gather and represent requirements. This diagram or cheat-sheet can be used by yourself or another student as a quick reference and/or make informed decisions during future projects.

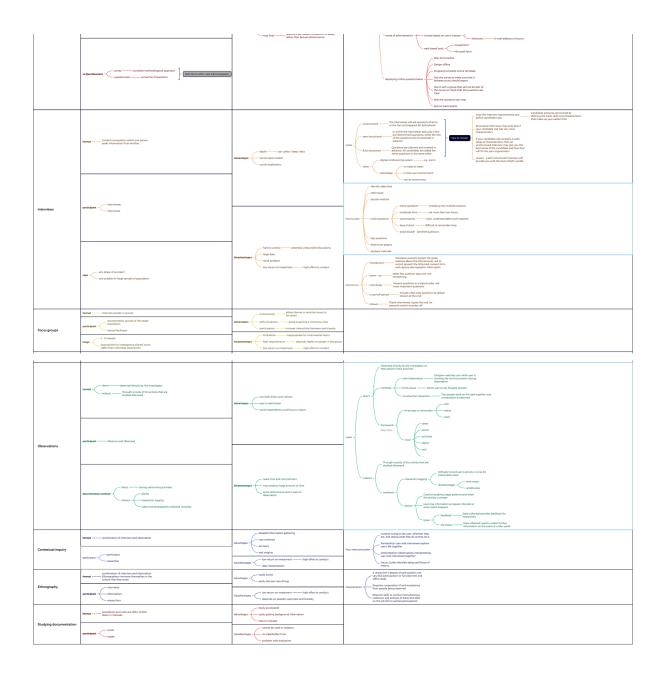
All graph raw files uploaded on Github: <a href="https://github.com/pikapikapikachu6/Reflective">https://github.com/pikapikapikachu6/Reflective</a>

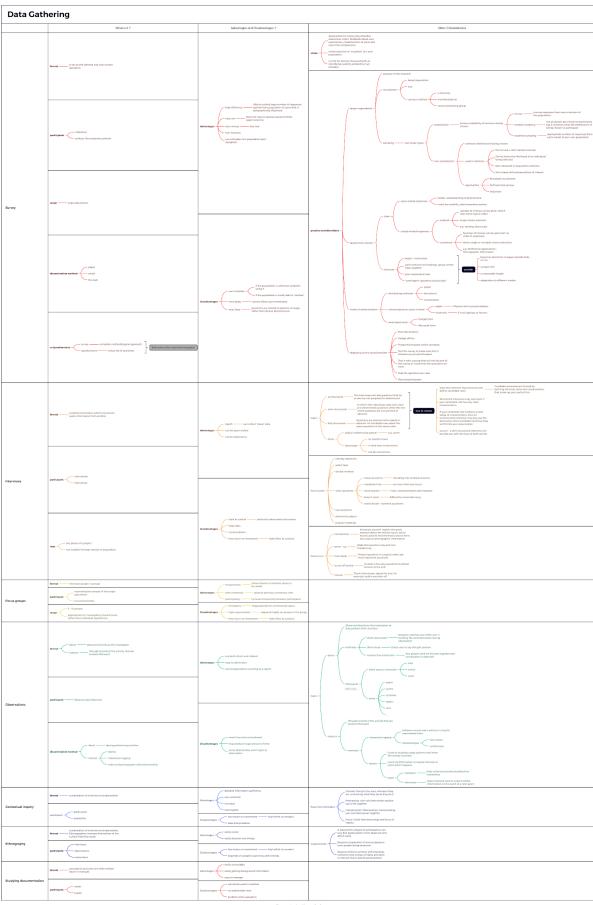
### **Data Recording:**



### **Data Gathering:**



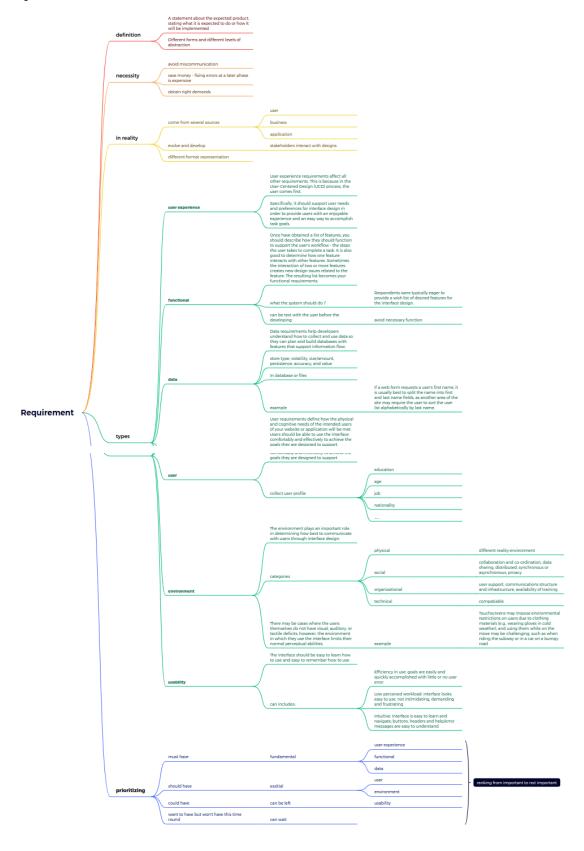




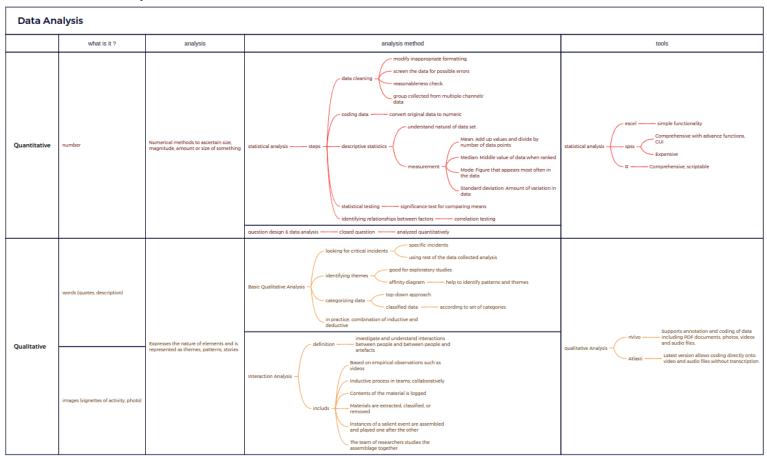
#### Analyse data gathering:

If I rank these methods, I will rank my table order. It's ordered by the range from big to small. The survey can be sent physically or digitally, so surveys offer the opportunity for mass distribution. They can also be very inexpensive; if you choose to use a free tool, it costs nothing to conduct the survey. Interviews and focus groups involve face-to-face discussions with the subject about a specific topic or issue. Interviews are often one-on-one, and focus groups usually consist of several people. Observer is one of the most passive methods of data collection. Researchers can observe as a neutral third party, or as a participant in an ongoing activity.

## **Requirements:**



## Data analysis:



Q2: This question should be answered after you have completed Tasks 1-4 in the Group Project. Based on your own actions during the group project, describe the general approach that you would take to identify user groups and their requirements in practice. Your description must explain how key decisions are made during the process e.g. choice of data gathering techniques, selection of site/participants and number of participants/respondents, when to stop collection and start analysing. (500 words)

#### **Answer:**

In our group project, we finished the tasks 1-4.

In task1, we chose and determined our target sustainable goal is "decent work and economic growth" and then we described the problem and proposed initial solution ideas.

In task2, we used "PACT" analysis to clarify our people, activity, context and technology. Based on the results of the analysis, we predicted what users expected to see on our solution and what data and information we might need.

In task3, firstly we based on our users and stakeholders characteristics to choose surveys and interviews as our data gathering methods to collect data.

We chose the survey because it is suitable for our requirements. We prefer to collect large amounts of data from surveys about our potential users' demand, current situations and opinions or expectations on our products. Therefore, through the survey, we asked a total of 15 questions, containing 4 modules: personal information, educational and professional background, future career intentions and ideal salary, and views on recruitment websites. And our questions are the same for each respondent. Also because the limitation for our group only has 5 members which means we cannot use the method like an interview to collect each unemployed person's large amount of group data. The survey is a quick and convenient way for us. We did our survey using the google form and through some social media including facebook, reddit, we hat and so on to distribute our survey. Because of the limitation that our group members are all international students and because of covid-19, our social circle is not very balanced to cover all walks of life and all age groups. Most of the survey respondents are also university students and graduates. Our survey started from the week5 and lasted for about 2 weeks until week6. And then in week6, we analysed our collected data from the survey using the System Usability Scale (SUS) and Technology Acceptance Model (TAM).

We chose the other data gathering method is interviews. In our stakeholders and users, we have to provide service to some course training schools and education providers. For these small specific target cooperation groups, interviews are of course more suitable. Although face to face and one to one interviews need a huge amount of money and human costs, they can chat more widely with our cooperators and learn more about their demands, requirements and expectations for our group and product. We chose the semi-structured style interview and also wants to based on different interview reality situation ask some personality questions. But also because of our social circle limitations, our interviews only simulated completed within the group.

In task4, based on our collected data and analysed results. We clarified our product's many requirements in data, environment, usability and so on. We learnt more about users' situations which help us manage our product more user friendly and can exactly provide real help to our potential users.

