# You will need:

Consent form

Introduction script for concept diagrams

Training sheets for concept diagrams

Task sheets

Laptop

Phone

Notepad & pens

Vouchers ?

# Actions

Sign the consent form

Read training materials for concept diagrams out to the participant

Ask the participant if they are happy to start the main test

If he/she wish to continue:

* Set up audio recording, laptop and phone
* Show the participant two sheets each time, a Protégé statement and its corresponding diagram (either Merged or Multiple)

“Suppose we have a reasoner, and in this case, the reasoner tell you that XXX and YYY are unsatisfiable, so you click the class/property to show the explanations, this is what you see from the reasoner, could you please tell me how would you fix it? Please give as many fixes as you can. And please think aloud so I can get your strategy” for the first task

“In this case, XXX and YYY are unsatisfiable, how would you fix it?” for the rest

Push the participant to think further, “Except for removing the problematic part of the axioms, do you think the diagram suggests another way of fixing?”

When the 6 tasks are complete ask the participant the following:

“Do you feel this way of debugging is different or no different from what you would normally do?”

“Would you describe your methods of ontology debugging?”

“How do you feel about using concept diagrams for debugging?”

* Turn off the recorder

Note the participant email to send him/her voucher code ?