

CO2403 CS/SE BAE lab section: Session 2 (26th January 2022)

- 1) We will start the session with a brief word from each group (5 minutes max.) about how they went about to get their work started and what their plans are.
- 2) The main aim should be to work on the first deliverable (technical plan and schedule). Next week is the last change to address any unclear issues; therefore they will need to be raised today. We will go through the items mentioned in the assessment brief and the template and gather challenges and recommendations.
- 3) Some words on requirements (**epics**, broken down into **use cases**, potentially to be broken down into tasks), particularly in the present case where we are mostly dealing with fictitious stakeholders:

You are strongly recommended to create **personas** (fictitious representative stakeholders, with invented names and relevant details). This is an agreed good practice in agile requirements analysis in general, where the stakeholders actually exist and ideally can also interact closely with the development team. This is done so that concerns and issues can be written down in an anonymized way.

Example:¹ *Frank Smith, 15, has a visual impairment. He is affected by extreme myopia which makes it harder for him to play board games in a typical setting - it is possible, but can be a challenge, creating a disadvantage for him in a competitive scenario. The condition has become worse over time. Frank has become an excellent Go player, mostly via remote playing. He would be interested in an assistive technology that allows him to play Go in on-site tournaments without a disadvantage.*

It can help to devise persona descriptions not only for the end user, but also for all the other relevant stakeholders (sales representatives, technical staff working with MS HoloLens, physicians with dedicated expertise, etc.). This will depend very much on your use case. In the above example, it might include the regulator who will need to approve of the technology before it can be used in a tournament.

Epics/use cases are then handled as belonging to the persona (e.g., "Frank Smith").

Even if you do not include the personas and a list of epics and use cases in the technical-plan deliverable, it can help and make your case stronger if you supply such information as an Appendix, also to document your use of agile methods.

- 4) Otherwise the focus of this and the next session should be for the groups to agree on details of their technical plan and schedule and manage the writing process.

¹ *In an agile approach, form follows function. Do not feel tied to a particular format. It is good if it does the job.*