Overview

To achieve HD in this unit, you need to demonstrate excellent achievement of the unit learning outcomes and impress the assessment panel with your achievements. This task will give you the freedom to demonstrate what you want to learn, design, and develop using **Android's Private Compute Services** or other advances. You will be required to develop a solid **ready-to-publish** mobile app with a detailed technical report of solving problems as you encounter them. The sky is the limit!

Instructions

Each component or feature needs to exceed advanced coding requirements in Android Programming effectively and demonstrates interesting functionalities in utilizing advances such as Android's Private Compute Core (PCC, users and developers may store and process data independently from the rest of the system while still having full access to it). Several such advances are supported by the open-source code of the Android Framework, which debuted with Android 12. You can work closely with the unit team and take regular help and suggestions. For example, you need to add novel ideas into apps as you want to distribute machine learning and privacy with the Mobile Application.

The submission will be assessed as "Complete" but will be evaluated in the portfolio. Please note that this task as Complete only indicates that it has been received. Once you are ready, we will sign it off, and evaluate it in your portfolio.

Submission Details

You need to submit a technical report of 5 pages. This should also contain your GitHub link and a link to a 3-minutes demo video that outlines the awesome features that you have developed with PCC. This is an **individual** assignment, and you must submit it **by 8 pm AEST, Friday, Week 12.**

The technical report must include several parts including (not limited to) an Introduction, architecture, overview, implementation examples **etc.** Take the google technical report as a standard **sample/template.** Please make sure that your submission is of a very high standard in terms of both idea and development. This work will be considered for those who targeted for High Distinction standard and when evaluated we will be looking for aspects that demonstrate the highest level of achievement in this unit.

CRITERIA	COMPETENT (LOW HD)	PROFICIENT (HIGH HD)
Report	Summary provides general idea of the intended product. May lack some clarity. Each feature also has a sentence explaining the feature.	Summary provides clear and concise idea of the intended product. Each feature also includes details of how that feature will operate. You may also include screenshots /sketches if appropriate.
Documentation	Commenting is present throughout project blueprints and provides acceptable readability of the code for someone unfamiliar with the project.	Commenting is present, thorough and sophisticated throughout without overwhelming the project. The code is very easily readable for a user unfamiliar with the project. Consistency is maintained in labels and comments.
Mobile App	Satisfies coding requirements effectively with creative or interesting functionality including at least two new advanced Android concepts. Used effectively as a part of the larger system with logical implementation and fully functional truck sharing app. Evidence of implementation	Exceeds advanced coding requirements effectively and/or demonstrates highly creative or interesting functionality including at least two new advanced Android concepts. Sophisticated integration demonstrates thorough understanding of the concept. Clear evidence of functionality beyond what has been demonstrated in class and a fully functional truck sharing app.