

ICP Presentation 2

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Video Presentation: <https://youtu.be/KbCoEtOTDXQ>

Introduction

The second half of the semester involved Mobile Application Development using Android Studio. Development testing involved using various emulators which represented different versions of the Android operating system. Consideration had to be given when choosing an OS version as earlier versions would be accessible to more people but have less capabilities but newer versions would have more features yet accessible to fewer devices. Also importing various libraries had to be considered in order to give the application the necessary functionality to perform its task.

This report will review features from ICPs 9 and ICP11 which involved implementing the majority of features learned this semester.

ICP 9 – Pizza Ordering Application

This ICP involved the creating several interfaces that would allow the user to both input information which would then be manipulated by the application before returning a result based on that information. For example, the user would select a size of pizza which would affect the final price once taxes and extra toppings were factored in.

Also, the use of intents to pass information between activities was extensively used so that user information could be saved and used in a meaningful way, such as constructing the body of an email or tallying the final total.

ICP 11 – Text-to-Speech

This ICP involved creating an interface that would allow a user to input text and convert it to speech. It required the use of an Android library designed for such conversions and methods for controlling the system's resources. The **onDestroy** method is one such example where it would release the resources used by the TTS library so that other processes could use it if required.