Daniel Aims/goals section:

While the long-term aim of Versatile Fitness is to develop a fully functional android application, in the short-term we have set goals to produce some fully functional sub-features using the Kotlin language. This way we can demonstrate aspects of the functionality of the final product and further, we can demonstrate our ability to code with purpose in a language that is growing in popularity, fully supported by Google, and fully interchangeable with Java.

Some features we aim to demonstrate in the first ten weeks of development include:

* Countdown timers for the workouts
* Workout selection page with multiple workout choices available
* Exercise screen that includes:
  + Exercise name
  + Rep number
  + Gif image showing required movements for exercise to be done in a safe and effective manner
  + Text indicator of how many exercises required in total
  + Stopwatch of overall workout time
  + Next exercise button
  + Quit button
* A ‘next’ button which changes the exercise in the same fragment
* A congratulations page for after all exercises are completed, returning user to the main menu
* A quit screen with a ‘restart workout’ button and ‘return to main menu’ button

In the January 2022 index from TIOBE, which takes information from across the internet, Kotlin is placed as the 29th most used programming language, up from position 40 in 2021. Whilst not the most used language, it is a newer language, and language adoption is a slow process. We have chosen Kotlin due to its concise manner and simplicity, as well as the close support it receives from google.

TIOBE The Software Quality Company 2022*, TIOBE Index for January 2022*, TIOBE, viewed 7 February 2022, < https://www.tiobe.com/tiobe-index/>