

**Aim of the study:**

To understand how software developers acquire new technical skills eg: learn a new framework or programming language

**Objectives:**

- Understand the current tools / resources software developers are currently using.
- Find out what features can further improve this learning process

**Name of Participant:** Zakiyyah

**Participant Background:**

A second-year student currently enrolled in University of London Bsc Computer Science.

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**Question:**

1. Take a few moments and think about your learning journey, what tools/resources have you used
  - Lecture videos provided by the University
  - Textbooks and recommended reading from lecturers
  - Youtube
  - Languages and frameworks official documentation
  - Stackoverflow
2. How those tools/resources supported your learning
  - Lecture videos usually provides me a a very basic foundation on a concept being taught
  - I use recommended textbooks to further my knowledge on the topics mentioned in the lecture videos
  - I use Youtube to clarify my understanding on complex topics, build software applications, learn programming languages and frameworks, etc.
  - Official documentation of languages and frameworks is an extremely important resource. When coding applications, I spend a lot of time going the official documentation
  - I use Stackoverflow mainly for debugging of code

3. What features/function can be added to those resources/tools to further enhance and improve your learning
- More 'How To' code tutorials, e.g. How to create a menu bar in CSS, How to create a web scraper in Python, etc.
  - Coding examples should be accompanied by a thorough explanation of the code
  - In-application code editor that can actually run the code and display the output
  - Code must be maintained. Any deprecated code should be removed and replaced with working code.
  - A system for users to flag any outdated or deprecated code.
  - Code tutorials may be accompanied by videos (for people who prefer video content over text content)
  - Advanced search and filter functionality