**Topics:**

All topics, including Dart, Navigation, Dependency Injection, State management, Integrating with Backend (Using Firebase), etc.

**Format:**

* Practical or Programming Test (writing code on computer)
* The examination consists of one question with several parts.

**Requirements for the Examination:**

Do prepare yourself with the following tools.  
  
1.  Flutter IDE:

* + any Flutter IDE such as VS Code (Recommended),  IntelliJ.

2.  Emulator:

* + real phone or mobile emulator
  + You may only use Web emulator should any of the above is not working.

3.  Git:

* + For the submission purpose, you will package your project in a **git bundle file**.
  + You can use any git client such as Git Command-line, Github Desktop, Integrated git in VS Code, to do most of the git operations such as initializing a git repo and performing commits.
  + However, to **create a git bundle**, the only option is with **Git command-line**. Thus, you want to make sure your git command-line is also working.
  + See the [example git commands](https://elearning.utm.my/21222/mod/resource/view.php?id=300093) that you may want to use in the examination

4. Firebase:

* + You will connect your Flutter application to Firebase. You will use the live or online Firebase (instead of Firebase Emulator)