

Scenario

Forin Application is an app designed to assist both computer experts and novices in the field of computer forensics. There are multiple tasks that are asks to be completed and each task is designed to allow for user freedom and flexibility.

[illegible]

The participant is asked to attempt to complete a range of tasks acting as if they are retrieving data for a criminal device. All Evidence is owner of the principal investigator and the files used will be 'assumed' as evidence, instead being 'common' file types.

Subtasks

The principal investigator reads out tasks for the user (and guides if needed) through a set of pre-determined tasks. At any point, the user can either look at the help pages provided in the application or ask the principal investigator for guidance. After completion of these tasks, the participant is asked to fill out an anonymous questionnaire. These tasks include:

- **Drive acquisition**
 - Select a drive/partition to acquire.
 - Edit/Select settings.
 - Attempt to acquire drive/partition.
- **Data Carving**
 - Select either Foremost or Scalpel.
 - Select image file to use.
 - Edit/Select extensions.
 - Select output name.
 - Attempt to Carve Selected File.
- **File System Inspection**
 - Select image file to Inspect.
 - Select byte offset.
 - Inspect/Navigate file system.
 - View file information.
 - Attempt to export file information.
- **PDF File Analysis**
 - Choose a PDF file to Inspect.
 - View internal PDF objects.

- Attempt to view contents of PDF file object.
- **Password Cracking**
 - Select hash file to crack.
 - Select hash type.
 - Select attack type (Dictionary or Brute Force).
 - Edit/Select attack configuration.
 - Attempt to crack a md5 hash.