

CprE 491 - sdmay19-38

## Android App Forensic Evidence Database

### Weekly Report 6

10/25/2018 - 11/1/2018

Client: Neil Gong and Yong Guan

Faculty Advisors: Neil Gong and Yong Guan

### Team Members:

Mitchell Kerr -- Tech Lead

Connor Kocolowski -- Report Lead

Emmett Kozlowski -- Meeting Scribe

Jacob Stair -- Testing Lead

Matthew Lawlor -- Meeting Facilitator

### Past Week Accomplishments

- Database
  - A simple Python flask app was created to interface with the database. This was done to test how MongoDB works and how our crawlers will communicate with it in the future.
  - Testing was also done on the model to validate that the current model can support the queries that we need to provide useful information to the end user on the front end.
- Crawlers
  - Continued work on ApkMirror, UpToDown, and F-Droid app store crawlers

### Pending Issues

- We need to look into how box limits the number of files you can upload at any time as currently it will not be able to handle the load of our system.
- F-Droid has external project information located on github and we need to find what information is relevant to get from there

## Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Mitchell Kerr	Abstracting ApkMirror crawler	4	31
Connor Kocolowski	Worked on F-Droid app store crawler.	7	45
Emmett Kozlowski	Worked on creating a simple database interface and tested the data model to ensure that it allows us to do the queries we desire.	16	40
Jacob Stair	Continuing to work on UpToDown crawler getting permissions per-version	5	33
Matthew Lawlor	Continuing to work on threads for Cybox	4	30

## Plans for Coming Week

- Test more use cases for the data model to validate even further
- Start working on a library for the crawlers to use when communicating with the database
- Begin working on the Google Play Store crawler
  - Look into using existing GPS crawlers
  - Look into GPS rate limiting
- Continue abstracting crawlers to allow for quicker build cycles in the future