

Debugging LibreOffice for Android

Difficulty:Medium

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Overview

LibreOffice, a free and open-source office suite, a project of **The Document Foundation**, has been successfully working since 2011 to make word-processing and other related jobs free and feasible. By 2015, LibreOffice had released its Android version with basic editing capabilities. Developers around the world contribute to this organisation and its endeavours to keep making it better for users of all fields, with all kinds of purposes.

I believe in what LibreOffice stands for and would like to offer a helping hand for improving open-source word processors to the best of my capabilities.

Project Goals

By the end of the time period for GSoC(Google Summer of Code), I intend to make an effort and be successful in debugging some of the most annoying bugs LibreOffice for Android(bug 84726, as listed [here](#)). Some of the bugs mentioned here, which I am especially interested in, are:

- **Bug 106318** : Android: optimize the UI for tablets.
- **Bug 106326** : Android: Change font / background color.
- **Bug 88389** : Android document browser: there is no way to access external storage.

Mentors

Miklos Vajna, IRC: vmiklos mail: vmiklos @ collabora.co.uk

Tomaž Vajngerl, IRC: quikee mail: tomaz.vajngerl @ collabora.co.uk

EasyHacks

Implementation

Having used Android Studio to a certain extent for most of my Android apps, I will be much more flexible in debugging LibreOffice for Android in the same. Below is the timeline which I am presenting to show how I will divide my work along with my studies:

- **Timeline**

5th May, 2017 - 15th May, 2017 :-

- Speak to mentors and chalk out a path of progress,
- Acquaint myself with the code and make a rough sketch of where the bugs might be, and
- Set up my devices and software for debugging.

16th May, 2017 - 15th July, 2017 :-

- Work on the bugs and take occasional help from mentors,
- Submit patches and fixes for evaluation,
- Take reviews from mentors and work accordingly.

16th July, 2017 - 15th August, 2017 :-

- Go through other unresolved bugs and work on them,
- Submit patches and fixes for reviews,

Shortcomings

Since I am currently studying in college, I will be able to commit 2-3 hours of my time on weekdays and 6-7 hours on weekends. Also, I will be having my exams during June-July(exact dates may vary), so I might slow a bit.

About Me

I am currently in my 3rd year pursuing B. Tech in Computer Science and Engineering from Maulana Abul Kalam Azad University of Technology, West Bengal. You can check out my blog [here](#)(work under progress). Check out my projects [here](#).