Lab 4 Deliverables

Eric Chen and Dennis Liu

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2. Screenshots

A screenshot of a cell phone

Description automatically generatedA screenshot of a social media post

Description automatically generated

3. Source Code

A screenshot of a social media post

Description automatically generated

A screenshot of a social media post

Description automatically generatedA screenshot of a cell phone

Description automatically generated

4. Running Estimates

The capture function has 31 lines and approximately 62 instruction cycles, requiring approx. 775ns. The program has approx. 3.2e6 lines between captures and approx. 6.4e6 instruction cycles requiring approx. 80ms to execute. Thus, the debug capture overhead with an 80MHz clock is approx. 0.00971%, which is negligible.

5. results

See Screenshots for memory data.