

EE/CPRE/SE 491 Bi-Weekly Report sdmay21-06

Pentest a Payment Provider

Report Period: 03/30/2021-04/12/2021

Client & Advisor: Benjamin Blakely

Team Members & Roles:

Max Solaro - Chief Pentester
Matthew Maiman - Testing Engineer
Ryan Anderson - Lead Reporter
Nathan Key - Editor
Priyanka Kadaganchi - Facilitator & Scribe
Jacob Conn - Web Pentester
KayAnne Bryant - API Pentester

Weekly Summary:

For this week, our primary focus has been on creating and drafting the final documents for our client, Dwolla, as well as for the senior design class. We have created outlines for our executive summary and technical report documents for Dwolla and sent our rough draft to our advisor. We have also laid out the design for our final poster, ensuring that all information present in the poster will align with the constrictions set in place with our NDA.

Past Week Accomplishments:

- Everyone
 - Fill out the assigned section of the technical report and executive summary documents
 - Contribute to the final decisions regarding vulnerabilities that will be reported, along with testing and verifying that the vulnerabilities are present.
 - Prepare a rough draft of final reports to our client, and make sure proper questions are asked in order to stay within the bounds of the NDA for the final poster and final report for senior design.

Pending Issues:

We have no pending issues.

Individual Contributions:

Name	Contributions	Hours last 2 weeks	Cumulative Hours

Max Solaro	Worked on the rough draft of the technical report. Documented vulnerabilities and wrote write-ups for each including severity score, evidence of vulnerability, and recommended remediation.	6	34
Matthew Maiman	Compiled a list of completed tests against the API side of Dwolla's infrastructure. Assessed and rated by risk compiled list of vulns and tests. Configured the risk rating outline for both deliverables and included summaries of each level.	6	43
Ryan Anderson	Developed the outline for the final poster and made teams page, created technical and executive reports for Dwolla, and listed out vulnerability reporting for the web application.	8	56
Nathan Key	Worked on the rough draft of executive and technical reports.	4	31
Priyanka Kadaganchi	Worked on a remediation roadmap for Dwolla's Exec summary where we provide our client with a roadmap for what steps / general timeline on how they should go about fixing these issues.	6	26
Jacob Conn	Wrote conclusion, testing goals, and methodology section for the executive and technical final reports.	4	29
KayAnne Bryant	Edited executive summary and technical reports to Dwolla, designed a new version of the final poster	5	30

Plans For Upcoming Week:

- Everyone
 - Revise assigned section of the executive summary and technical report based on advisors comments
 - Submit the executive summary and technical report to our client by our final meeting (April 21st).
 - Begin filling out sections within the poster, ensuring that stylistic and content requirements are being covered
 - Begin working towards PRIM 2 and final presentations for the course, create slide decks and practice presentations

- Complete final report for the senior design course by revising design document to reflect changes that occurred over the second semester, as well as including more documentation about testing results and methods used.
- Update senior design website to include final revisions of graphics, descriptions, and documentation.

Advisor Meeting Summary:

During our last meeting, we discussed with our advisor the type of content that the client would want in the final reporting documents submitted to them. Also worked to ensure that stylistic choices were professional, and layout is similar to industry-standard penetration reports. We also discussed which vulnerabilities the client would like us to leave out of the final report/poster for senior design, to help protect the integrity of Dwolla's systems.