

Date	Start Time (24h)	End Time (24h)	Duration (hours)	Week Subtotal	Week Overtime	Notes
Week 5	5/29	6/4				
2021-05-29	12:00	15:00	3			Reviewing Dionysis' paper and deep dive in research and searching for practical substitutes in some elements
2021-05-30	21:00	0:00	3			ONE Wallet Wiki Review - second batch reply and discussions
2021-05-31	20:00	0:00	4			Wallet client: fixed several bugs; fixed client 100% CPU bug
2021-06-01	21:00	3:00	6			Major issue diagnosis: hash speed research, benchmarking, analysis; Future-looking hash function and feasibility
2021-06-02	23:00	5:00	6			Identified most suitable hash function; Made hashing 10x faster. Parallel hashing implementation using node worker thread (off-browser) and web worker (in-browser). Benchmarking
2021-06-03	23:00	0:00	1			Sync with Quoc and Ivan; Evaluating alternative designs and discuss tradeoffs
2021-06-04	15:00	16:30	1.5			Sync with Quoc. Design Review. Next steps and timeline planning
2021-06-04	18:00	23:30	5.5	30		Hash benchmarking utilities in React using core libraries; Hash computation optimization; Pure byte-based hashing logics
Week 6	6/5	6/11				
2021-06-05	12:00	18:00	6			Drafting ONE Wallet Security Protocol
2021-06-06	0:00	4:00	4			Finishing on ONE Wallet Security Protocol v0.0.1
2021-06-06	14:00	16:00	2			Refining and fixing bugs in ONE Wallet Security Protocol. Upgrade to v0.0.2
2021-06-07	18:00	19:00	1			ONE Wallet Security Protocol bug fixes. v0.0.3
2021-06-07	21:00	0:00	3			Benchmarking UI refinement and separation from legacy wallet; Deprecating legacy wallet core libraries
2021-06-08	0:00	2:00	2			(Continued)
2021-06-08	21:00	0:00	3			Brand new highly efficient ONE Wallet Core Library and ONE Wallet Smart Contract
2021-06-09	0:00	5:00	5			(Continued)
2021-06-09	10:00	11:00	1			Bug fixes and improvement on ONE Wallet Smart Contract
2021-06-09	18:00	21:00	3	30		Nonce mechanism and bug fixes on ONE Wallet Smart Contract
2021-06-10	8:00	11:00	3			Core utility extension; OTP Tests
2021-06-11	0:00	2:00	2			ONE Wallet basic tests; Bug fixes in core utilities; Improve configuration of core lib for automated testing
2021-06-11	14:00	19:00	5			ONE Wallet Smart Contract extensive code review + discussion + replies
2021-06-11	19:00	0:00	5		15	Extending core utilities: compute commit hashes, hex converters, hash wrappers, etc. Improve library dependency (unit converter, etc.) Improve tests and truffle configs
Week 7	6/12	6/18				
2021-06-12	14:00	0:00	10			Core util: Index selector, neighbor picker improvement; Working tests for transfer, recover, and daily limits; Bug fixes with core util and OTP generator; Deep debugging; Test logger implementation
2021-06-13	12:00	15:00	3			Massive code refactoring. Completely deprecate Quoc's code and move to legacy; Massive dependency cleanup and project decoupling
2021-06-13	15:00	22:00	7			Relayer implementation
2021-06-13	22:00	0:00	2			Relayer bug fixes, production configuration, and fully working APIs
2021-06-14	0:00	3:00	3			Relayer commit, reveal, scripts, config variables, and working production deployment + demo
2021-06-14	15:00	20:00	5	30		Client design, project skeleton, dependencies, config, architecture and framework, scaffolding
2021-06-14	20:00	0:00	4			Client storage and state management implementation; Client react-routers, page stubs, react-redux action, saga, reduction, store persistence, etc.
2021-06-15	0:00	4:00	4			(Continued)
2021-06-15	16:00	0:00	8			Client React page polished and fully functional header, sidebar, basic components; config formalization; Functional wallet creation page + OTP; API with relayer
2021-06-16	0:00	4:00	4			(Continued) + implementation with web worker + end-to-end wallet creation page
2021-06-16	15:00	0:00	9			Many relayer bug fixes; Reliable + robust relayer with proper error handling; Minor improvements in UI on header, creation page, and overall error handling; Client state management improvements; Client separate storage between heavy dataload (layers) and light states
2021-06-17	0:00	6:00	6			Binance price refresher and state management; Wallet listing page; Wallet display page; utils for computing and formatting balance, address, and others

2021-06-17	19:00	0:00	5		Fully functional and refined Wallet display page + Transfer page, improve and fix bugs for state management and balance updates; better overall responsiveness and storage management; security improvement; Smart contract public fields improvements
2021-06-18	0:00	6:30	6.5		Full implementation of direct-to-blockchain APIs from browser. Integration with Harmony SDK, truffle contracts, and web3; webpack config fixes; Fix redux saga bugs; fix balance refresh; fix core lib bugs; fix UI bugs in transfer and show wallet; fix bug in relayer API parameter passing; Transaction receipt parsing, passing from relayer, and viewing by link in UI; Core util extension and bruteforce utilities; Fix bugs with revealRecovery; implement recovery page and restore page; fix bugs with balance compute and formatting; fix bug with gas parameters; more stable connection to blockchain from relayer and client; remove unused stubs; Production deployment and variable tuning;
2021-06-18	12:00	14:00	2	48.5	Production deployment bug fixes (CORS, bad routes, HTTPs, new domain names, etc.), feedback collection and debugging, and stability checks
			Regular	90	
			Overtime	63.5	For meeting M10 milestone on 6/15 - launch to 10 users then 100 users in 1-2 weeks
			Total	153.5	