

Date	Start Time (24h)	End Time (24h)	Duration (hours)	Week Subtotal	Week Overtime	Notes
2021-08-15	6:00	6:30	0.5			Review Haolin's work on known address input component (#79)
2021-08-15	19:00	0:00	5			Research and analysis on Harmony ENS/Resolver/ReverseResolver implementations and compatibility with smart contract wallet operations; Create subdomain registrar contracts and interfaces compliant with new solidity versions and make it available as an npm dependency package (github:polymorpher/subdomain-registrar-core); Fix all compile issues and resolve differences between legacy versions and new ENS contracts
2021-08-16	0:00	7:30	7.5			(Continued) Implementing, debugging, and testing wallet smart contract functions for accepting domain purchase requests, claiming both domain name and reverse lookup address; APIs for domain resolution and reverse lookup; Further review and debugging on Haolin's work on known address input component (#79)
2021-08-16	18:00	0:00	6			Consistent encoding and decoding for domain purchase operations across the client and the smart contract; Custom, reliable namehash implementation; Core library support for commit-reveal flows related to domain purchase; Developer-friendly, Harmony/Ethereum dual-purpose interface implementation for registrar operations; Mock registrar for debugging and testing; Core library with configurable ENS addresses and Harmony-specific onstants; Core library: domain price and availability APIs; Final review on Haolin's #79; Finalize domain operations v1 (#80)
2021-08-17	9:00	13:00	4			Token auto-recovery; forward address implementation; 1wallet interfaces; reduce contract sizes; (#85)
2021-08-17	15:00	22:00	7	30		Forward address update operation; Contract cleanup; Review Haolin's work on 1wallet treasury as recovery address (#81); Auto update backlinks on forward operation; Recovery address approval on forwarding assets above daily limit; Finalize #82
2021-08-18	9:00	13:30	4.5			Breakdown wallet contracts into libraries, make relayer auto deploy library and reuse same library for all wallets (#86); Debugging, testing, bug fixing
2021-08-18	22:00	0:00	2			Complete missing methods in 1wallet smart contract light interface; Allow recovery address to reclaim forward address; Auto-forward remaining daily limit allowance to forward address; Consider 1wallet treasury recovery address as "not set" and allow setting recovery address in that case; Sensible frontend component support for cases which recovery address is 1wallet treasury addresses; Remove 1wallet treasury from general address book; Fix bugs at client side with recovery; Fix bug with contracts on new recovery "not-set" mechanism detection;
2021-08-19	1:00	5:30	4.5			(Continued)
2021-08-19	17:00	23:30	6.5			Major frontend refactoring to enable distributing tasks to other frontend developers. Breaking down wallet "Show" component down to 11 parts (#87)
2021-08-20	0:30	4:00	3.5			Wallet Upgrade component and implementation; Core library support for forward (and upgrade) operations
2021-08-20	14:30	19:00	4.5			Revert-proof operations for recovering tokens; Safeguard against faulty or malicious token contracts; Allow backlinked addresses in wallet constructor; Implement new constructor in relayer; Implement command operation to enable wallet to command linked wallets; Support setting and updating backlinks;
2021-08-20	19:00	19:30	0.5		26	Review Haolin's work on domain purchase UI components and frontend states (#88)
<b>Week 17</b>	<b>8/21</b>	<b>8/27</b>				
2021-08-21	0:00	6:00	6			Domain purchase and auto-reverse domain allocation, end-to-end; Domain resolution, reverse resolution, and pricing API implementation and debugging; Revision of domain purchase UI and user experience; Improve interfaces on subdomain core
2021-08-21	14:00	20:00	6			End-to-end wallet upgrade implementation and debugging; New core library functions for back and forward linking operations (as part of Upgrade); Address all security vulnerability alerts from depbot; Upgrade webpack settings for fast and accurate debugging; Fix various issues in smart contract that prevents auto-upgrade (insufficient funds, inconsistent hash, and others)
2021-08-21	22:00	0:00	2			(Continued)
2021-08-22	0:00	8:00	8			(Continued) Review and revise haolin's work on auto-domain resolution, address bookkeeping, and caching; Smart contract implementation for reclaiming and transferring pre-purchased domains before upgrade; Improve interfaces on subdomain core for transfer and renew capabilities; Smart contract and core library support for domain transfer and reclaim operations;
2021-08-22	9:00	12:00	3			(Continued) End-to-end working implementation of domain transfer and renewal; WalletGraph library implementation, downsizing, and testing; Fix issues with errors related to re-attempt operations during sending assets and domain purchasing, rooted on recover randomness bits as required by client security
2021-08-22	20:00	22:00	2			Release v0.9.1; Analysis and debugging related to Binance not recognizing deposits from 1wallet (#93) or withdrawal made to 1wallet (#71 and related discussions in various groups); Fix issue related to unable to retrieve information of the wallet which occurs after commit-reveal flow of domain-purchasing and wallet creation
2021-08-23	17:30	20:00	2.5			Upcoming changes (#94); Release notes (#v0.9.1); Wiki - web client - data stored locally

2021-08-24	18:30	19:00	0.5	30	Hiding settings related relay and other complex components by default; Added /dev mode toggle for developers; Miscellaneous UI improvements
<b>Week 18</b>	<b>8/28</b>	<b>9/3</b>			
2021-08-28	21:00	0:00	3		App integration: connect with 1wallet via Redirect
2021-08-29	1:00	3:00	2		(Continued)
2021-08-29	17:00	22:00	5		App integration: request payment; modularized and prefillable Send module; Working end-to-end with notes; Review Sushiswap initial UI implementation from haolin (#99)
2021-08-30	4:00	5:00	1		App integration: live trial, testing, discussions, and documentation
2021-08-30	20:00	22:00	2		App integration: documentation and initial release; Fix bugs related to selecting payment address for a payment request that does not specify address
2021-08-31	14:00	15:00	1		Release v0.9.2; Multi-network support for redirect integration; Documentation
2021-08-31	17:00	0:00	7		EIP-1271 implementation on smart contract; SignatureManager library for smart contract with lookup, list, revoke, revoke all, conditional revoke (by expiry time); Fix bugs with reclaim domain operation; More code review on Sushiswap UI and functionalities
2021-09-01	0:00	4:00	4		(Continued) more signature management helper methods, bug fixes, and end-to-end testing; Creating CommitManager smart contract library to manage commit related operations; Refactoring core contract; Research on Gnosis Safe
2021-09-01	9:00	10:00	1		Sync with daVinci; Discussions on integration
2021-09-01	17:00	18:00	1		Analysis of daVinci code and preparation for integration; Relay update for new contract library
2021-09-01	21:00	0:00	3	30	Ability to call another contract and pay via a function, based on pre-encoded parameters and signatures; Core library implementations and helpers; More research on Gnosis Safe
2021-09-02	0:00	6:30	6.5		(Continued) App integration: call contract; Revise and improve other app integrations; Analyze address-input issue (#105), lack of notification for saving address (#101); Review fix (#106); Analyze QR code scanning sensitivity issue (#102); Review attempted fix (#103) and experiment with alternative QR code libraries; Refine QR code parsing process and make scanning recommendations;
2021-09-02	20:00	0:00	4		Relax rate limiter; Test contracts for testing call operation; Fix issues with Call libraries and integration; Revise post-onboarding messaging; Dev routes for Call in secret url; Core commit-reveal flow: allow functional parameters; More utilities for byte manipulations and more intelligent reveal api;
2021-09-03	1:00	6:00	5		(Continued) App integration: request signature; optional compliance to ethMessage standard; Secret dev route for Sign using a particular wallet; Derive and implement common components for app integrations
2021-09-03	20:30	23:00	2.5	18	Release v0.10.1; Release notes; Code review on v10 changes and revise; Wiki - app integration - call and sign
<b>Week 19</b>	<b>9/4</b>	<b>9/10</b>			
2021-09-04	0:00	4:00	4		(Continued) Sushiswap research and analysis on the state of Harmony Sushiswap; Scripts for crawling available pools and tokens actively from Harmony Sushiswap; Sushiswap contract compilation, verification, and experimentations on Harmony
2021-09-05	13:00	17:00	4		Research on ImmutableX; Sushiswap ABI and integrations; Sushiswap contract compilation, verification, and experimentations on Harmony; Review of haolin's work on mobile optimizations (#117)
2021-09-05	23:00	0:00	1		(Continued) bug fixes of scripts; Substantial revision of Sushiswap frontend based on logics presented in smart contract; APIs
2021-09-06	0:00	4:00	4		(Continued)
2021-09-06	16:00	20:30	4.5		Sort Sushiswap tokens by custom priorities; APIs for retrieving tokens and pool states and quotes; Proper sorting, filtering, and intelligent setup of token pairs in frontend states based on selected tokens and availability of liquidity
2021-09-07	1:00	7:00	6		End-to-end working version of Swap (ONE to token); Proper tracking of newly swapped token and owned tokens available for swapping; Proper dynamic quotation for swappable amount and expected amount based on selections
2021-09-07	16:00	17:30	1.5		Review and test token swapping approval-confirm logic (#121) and advanced settings; Various bug fixes and improvements
2021-09-08	19:00	0:00	5	30	Proper implementation of reserve verification and liquidity check for both ONE->token and token->ONE swaps; Various API and library improvement on balance parsing and formatting; Fix various issues of incorrect API usage related to swap;
2021-09-08	0:00	4:30	4.5		End to end working version of Swap (token to ONE, ONE->WONE, and WONE->ONE); Release version v0.10.2 and Swap functionality on dev mode; Fix various bugs related to decimal, swap allowance, invocation of call data encoding, and others; Documentation of non-urgent issues (#122); Further review of mobile optimization (#117)
2021-09-08	14:00	14:30	0.5		Fix critical display issues after mobile optimization; Discuss 1wallet project and work plan with potential collaborators
2021-09-09	0:00	1:00	1		Fix various unresolved, obscure responsiveness issues after #117; Complete review of #117 (haolin's work on mobile optimization)
2021-09-09	15:30	16:00	0.5		Review of NFT responsiveness issues (#124, haolin); Backward compatibility implementation for restoring old wallets (pre version 7)

2021-09-09	17:30	20:00	2.5			Release of v0.10.3; Clickable QR code during onboarding; Make QR code unregonizable for all authenticators other than Google's (#109, #125, #50). Add special support for daVince metadata so files without suffix can be displayed correctly; Added special mobile view for onboarding; Added OS-specific Google Authenticator links;
2021-09-10	2:00	4:00	2			Review and comment on Shashank's work-in-progress end-to-end security analysis and report
2021-09-10	8:30	9:30	1		12	Sync with Shashank and discuss security report
			Regular	120		
			Overtime	56		Four deadlines: Hackathon, App integration, Sushiswap, Offline Event
			Total	176		