

Date	Start Time (24h)	End Time (24h)	Duration (hours)	Week Subtotal	Week Overtime	Notes
2021-09-11	0:00	2:00	2			Address user experience issues reported by Boris; Special processing for displaying Harmony Punk; Always show full address and address-tools on header section in desktop view
2021-09-11	19:00	19:30	0.5			Support for video NFT
2021-09-12	0:00	1:00	1			Scripts for listing 1wallet deployment transactions and inferring their addresses
2021-09-12	13:00	14:30	1.5			Miscellaneous fixes (HTTPS certificate, protobuf generation; context menu of onboarding QR code upon tapping); Experimentations on non-standard Google Authenticator settings; Binance withdrawal issue (#127) investigation, reproduction, discussion (9:30pm)
2021-09-12	22:00	22:30	0.5			Review of Red Packet admin tool proposal, elaboration on NFT metadata and TODO for red packet NFT, and IPFS
2021-09-13	13:00	14:00	1			More special handling on HarmonyPunk (#128)
2021-09-13	15:30	16:30	1			Resolve miscellaneous address issue (#130) Further discussion with Binance on withdrawal issue; Relayer: deploy new library contracts only when necessary; NFT: get header only when necessary;
2021-09-13	18:00	23:30	5.5			Release v0.11.1; Make Swap available to all; Limit contract call operation to respect spending limit; Remove extraneous warnings; Make swap obey spending limit; Fix bug in Wallet Graph library that causes command operations always to fail; Make commit-reveal pace faster; Hide double OTP by default; Added expert mode, which allows the user to use double OTP and freely adjust spending limit
2021-09-14	1:00	2:00	1			Fix a bug that prevents automatically transfer of tokens upon upgrade (#133)
2021-09-14	3:00	6:00	3			Red packet design and analysis of alternatives; Complete, detailed implementation and design proposal for red packet; Discussions and open questions
2021-09-14	17:00	23:00	6			Extending daily limit to spending limit and spending interval; Smart contract library: SpendingManager; Refactor wallet smart contract and upgrade constructor and getters to be more compact and informative; Analyze Harmony Java SDK and resolve Binance withdrawal issue
2021-09-15	0:00	4:30	4.5			Release v0.12.1; Make all existing components work with spending limit and newly refactored wallet smart contract interfaces (core library, relayer, api, Send, Swap, About, and various other modules)
2021-09-16	19:00	21:30	2.5	30		Red packet: Gift tab in wallet; Simplify onboarding messages; Make onboarding QR code intuitive for tapping; Substantially simplify onboarding messages; Added paste-from-authenticator button for mobile view;
2021-09-16	22:30	0:00	1.5			(Continued)
2021-09-17	0:00	7:00	7			(Continued) First functional red packet creation, end-to-end; Fix issue with not showing commit-reveal progress correctly while sending tokens; Fix issues with address labels; Make several critical modules shared, exported components; Fix several library bugs (multi-call encoding, etc.)
2021-09-17	17:00	22:00	5		13.5	(Continued) and research and experiment on Android Google Authenticator issue (#136); Discussions; Refine red packet implementation, flow and debugging
Week 21	9/18	9/24				
2021-09-18	0:00	8:00	8			Unwrapping red packet: end-to-end, debugging, and live testing; Smart contract upgrade on nonce and operation time exposure; Various reusable frontend infrastructure component for NFT tracking, display, and management
2021-09-19	0:00	6:30	6.5			Fix Android failure to scan QR code issue; Automatically cleans up invalid or expired temporary wallets; Enable wallet to display a QR code of its address recognizable by 1wallet QR code scan and general camera scan; Intelligent camera selection for all scanning and mobile support; Enable 1wallet to scan QR code and recognize various formats and intents; Simplify prompt and process to save address for new user onboarding; Added a default, not-owned NFT so new user can experience collectibles; Review and revise haolin's work on QR code image upload; Fit and organize all new features; Various high priority miscellaneous user experience issues
2021-09-19	13:30	15:00	1.5			Fix QR code scanning error message spamming issue; Added support for scanning red packet QR code; Finalize wallet restore entirely on mobile and making video tutorial; Various discussions, debugging with online users who had issues and those reported at the offline event
2021-09-20	13:00	17:00	4			Allow advanced settings for red packet (custom message, random factor); Measures to reduce errors from claiming red packet, and show urgency; Relayer error analytics and report; Diagnosis and deep parsing of errors reported by people at offline event
2021-09-21	10:30	11:30	1			Tests, research, and analysis on various browsers and incognito modes
2021-09-22	21:30	0:00	2.5			Fix issue #147, #148 (error on restore when local double otp state is inconsistent)
2021-09-23	1:00	4:00	3			(Continued) and fix the underlying cause of the inconsistent state, ensure double otp to work properly in future versions, and add fallback compatibility / auto-fix for restoring older, inconsistent versions
2021-09-23	17:30	18:30	1			Offline event feedback review and analysis; debugging
2021-09-24	0:30	1:00	0.5	28		Debugging; fix a bug which may cause wallet listing screen to run into infinite loop
Week 22	9/25	10/1				(Busy with legal stuff / appellate opening brief this week)

2021-09-27	10:00	11:00	1		Assist on #149, #150, research on #151 and 1:1 integration guidance following #149
2021-09-29	14:30	16:00	1.5		Allow integrations to make binary calls directly via hex data
2021-09-30	22:30	23:30	1		DEX and hackathon integration assistance; Fix a bug where integration calls with zero send-amount would not function;
2021-10-01	3:00	5:30	2.5		Gnosis integration debugging; Diagnose issues with Jenya arising from local inconsistent state and old wallet version as part of Gnosis integration;
2021-10-01	14:00	16:30	2.5		Safeguards and tests against using incompatible wallet versions for integrations
2021-10-01	17:30	0:00	6.5	15	Track and untrack tokens, NFTs; Direct integration with daVinci and customization based on its unique IPFS, API, and file formats; Mobile view
Week 22	10/2	10/8			
2021-10-02	0:30	4:00	3.5		(Continued); Released v0.12.4
2021-10-02	9:30	10:30	1		Fix issues that may cause inconsistent state; Diagnosis and debug with Jenya
2021-10-02	11:00	12:00	1		Gnosis integration finalization with Jenya and demo
2021-10-02	17:00	17:30	0.5		daVinci NFT purchase IPFS issue further research and adding materials for loading state
2021-10-06	10:00	10:30	0.5		Gnosis safe integration debugging on multiple environments; Analysis of causes for wallets gone missing
2021-10-06	18:00	21:00	3		Support Aegis authenticator (#151, #157); Debugging wallet gone missing and bugs in purge routine; Use simple create flow in side menu; Tolerate 30 delay of OTP code;
2021-10-07	12:00	17:30	5.5		List top 9 ERC-20 assets in wallet home screen (#158); Simplified app-call flow (#159); verify callback domain and whitelist contract and methods (#159); call data decode utility (#159); Hide temporary wallets for app connect. Test and debug Gnosis Safe integrations
2021-10-08	1:00	3:00	2		Ability to inspect old wallets; Improve wallet About screen; improve Sentry event capturing; Debug IPFS issues and improve NFT visualization robustness
2021-10-08	16:00	0:00	8	25	Ability to reclaim domain and tokens from old wallet, debug and testing; Sensible layout and interactions on wallet about screen; Unify row components; Fix bug with wallet purge to prevent purging partial proofs which are still used by at least one wallet; NFT gateway and display stability debugging; Reclaim reverse domain
Week 22	10/9	10/15			
2021-10-09	0:00	3:00	3		Release v13 (#160); Release notes; Simplify OTP confirmation flow; auto-verify domain in both directions; Fully functional Inspect and Reclaim features
2021-10-10	11:00	12:00	1		Fix upgrade OTP confirmation bug; Auto copy on address format switching; Mobile friendly wallet title; Auto-spawn temporary old wallets during app-call if needed; Store old wallets in state persistently; 4s retry interval; favicon; Simplified, minimal call screen
2021-10-10	14:00	17:00	3		(Continued)
2021-10-11	10:30	11:30	1		Timeless integration and 1wallet library sync
2021-10-11	14:30	17:30	3		Generalized method for contract and method verification during app call; Tools for add Harmony protocol in MetaMask and to open Harmony Safe; Issue #161
2021-10-11	18:00	19:30	1.5		Gnosis Safe code review, development tracking, security analysis, and identify potential backdoors
2021-10-11	22:30	0:00	1.5		(Continued)
2021-10-12	0:00	2:00	2		(Continued)
2021-10-12	13:00	19:00	6		Even mapping extraction scripts; Issue #161, cumulative analysis and debugging; Debugging and fix issues with using old wallets; Dev state dump tool; Remove recovery on recover screen when recovery address is not set; Fix infinite loop on connect; Fix NFT tracking on mobile; Gnosis Safe integration contract interaction debugging and tests
2021-10-12	20:00	0:00	4		Gnosis Safe SushiSwap Transaction encoder tool; Functional Gnosis Safe SushiSwap end-to-end flow; Improve Swap mobile experience; disable mobile autozoom; add paste button on mobile OTP input; fix global usage stats overflow (use abbreviation); always show address options on wallet title; Hex options on wallet address components; allow displaying and choosing old wallet address and hex addresses in app connect screen
2021-10-13	0:00	3:00	3		(Continued)
2021-10-15	18:00	18:30	0.5		General integration advice and debugging and resolving Timeless address conversion issues in Python and Swift
2021-10-16	17:30	18:00	0.5	30	Tools with individual URLs and guides; Investigation, analysis, and guidance for issues encountered by Harmony DAO grant recipients; Issues #165, #164; expert mode support for grant recipients
			Regular	98	
			Overtime	13.5	Launch red packet, QR code, and fix various issues before offline events
			Total	111.5	