AMOS Project 7 - Planning Documents

Project Team

| Last Name | First Name | GitHub User Name | Email Address | Prefered Role / Technical Area |
|-------------|------------|------------------|--|---|
| Tech | Berinike | BerinikeTech | niketech@web.de | Blockchain / Solidity |
| Heil | Dominic | dominic-heil | d.heil@campus.tu-berlin.de | CI / CD - React - JS - (Python Backend) |
| Steinkohl | Felix | steinkohl | steinkohl@campus.tu-berlin.de | CI / CD - Backend (- Frontend) |
| Stender | Nick | Floinko | stender@campus.tu-berlin.de | Backend |
| Ehmendörfer | Christoph | krisutofu | christoph.ehmendoerfer@campus.tu-berlin.de | jump in (Backend / Frontend) |
| Pilgrim | Jannis | NonFT | jannis.pilgrim@gmail.com | Database / Python |
| Le | Ba Que | tuilagio | b.le@tu-berlin.de | Frontend (React) - Python backend |
| Naumov | Nik | NickZecamp | nikum@live.se | JS, UI/UX |
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Project Data

| Project Name | NFT the world! |
|-------------------------------|--|
| | |
| Production system (if any) | https://amosproj.github.io/amos2021ws07-nft-development/ |
| Test system (if any) | |
| | |
| GitHub repository | https://github.com/amosproj/amos2021ws07-nft-development |
| GitHub kanban board (project) | https://github.com/amosproj/amos2021ws07-nft-development/projects/1 |
| | |
| Team T-shirt (white) | https://www.shirtinator.de/loadBasket/hQlmSTVUG0E |
| Team T-shirt (black) | https://www.shirtinator.de/loadBasket/hQlmSTVUG0E |
| | |
| Additional materials | |
| 7. a.m | https://bu.b.orlin.zoom.us/i/CE003C470EE2pud=\/\// LUZ//2lp\//20=\/\// bubE/\/\//bubL/Z0dp\/\/Z=00 |
| Zoom | https://tu-berlin.zoom.us/j/65882617955?pwd=WHJKV3lnN20zNWUvbFMwbHZ0dnNyZz09 |
| Jitsi (fallback) | https://meet.innocampus.tu-berlin.de/amos7 |
| Happiness | https://happy-amos.appspot.com/Project?project=6300169943384064&course=6014071715397632 |
| • • | |
| Slack | https://join.slack.com/t/campus-xuz7131/shared_invite/zt-xqnhb1i9-hzKoRSLynqkTrq_w8mNA |
| | |
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Team Contract

| Goals | We want to learn about agile methods, good team work and practice team work. We want to build a cool open-source piece of software and "valuable" NFTs. |
|-------------------------------|--|
| | |
| Meeting norms | We meet at least once a weak during the project. |
| | Please excuse yourself when you know that you'll be missing (like illness, important appointment) otherwise we want to not more than 15min late but on time in the average case. Single lapses or emergencies are permissible. |
| | We try to reach consensus where possible. As last resort we respect the majority rule for decisions which affect the whole team. Exceptional decisions for individual team members are possible for special circumstances. |
| Working norms | We participate fairly. It doesn't mean that everyone is equally fast or performing but that we are willing to invest time like others are. |
| | We individually contribute to the project to perform for our Credit Points. Work is distributed in team meetings together. |
| | Team work should be a safe space for everyone and allow for clarifying work or personal conflicts or appropriate criticism. You may contact Jule as person of trust for non-technical problems and as mediator for anonymous criticism. |
| | We value quality over quantity, maintainability over many features. |
| Coordination norms | No one is forced to do something s/he really doesn't want. Volunteers are considered first. If no one is willing to do a task and assignment is needed then democratic allocation. |
| Communication norms | We let others say their (valid) opinion and avoid insults, harassment, discrimination due to individual properties like gender, color We don't expect each other to respond during weekends. We expect responses in 48h within week. We try to answer at least next day. We use team Channels on Slack for help. We confess that nobody is perfect. We accept criticism of ourselves and permit others to correct us. |
| Communication norms | we comess that hobbay is porteet. We accept criticism of ourserves and permit outers to correct as. |
| Consideration norms | We try to clear misunderstanding and create understanding instead of bashing others for disagreement. We don't want to be self-opinionated and give examples rather than just stating to be right. |
| Cont. improvement norms | There is continous review of code and our wellbeing by using the "happyness index". We will use Scrum-relaed methods to track progress. Coding, Style and review rules and guidelines are respected for the reason of code health and team work. Syntax Formatters will be used if they are needed to ensure style guidelines. If someone can't finish story points over two weeks then we try to find a solution for improvement. Workload estimation isn't perfect. We will tell if work turns out to be more effort than estimated. |
| Rewards | People will be granted NFTs under applause. 2 Story Points = 1 NFT. |
| | |
| Sanctions | People who clearly violate rules multiple times should either write a poem, do extra work or obtain remaining User stories instead of free choice. |
| Signatures [optional picture] | I hereby declare to try and be willing to comply with our team contract [required]: |
| Unistoph Umandorfer | |
| V (| Christoph Ehmendörfer |
| | Nick Stender |
| | |
| | Berinike Tech |
| | |

AMOS Project 7 - Planning Documents

Team Contract

| SteFel | Felix Steinkohl |
|--------|-----------------|
| Qun | Que |
| | Dominic Heil |
| | |
| | |
| | |
| | Jannis Pilgrim |

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Role Assignments

| # | Meeting Day | Comment | Coach | Product Owner | Software Developer | Release Manager | Scrum Master |
|----|-------------|---------------------------|-------|---------------|--------------------|------------------------|--------------|
| 1 | 2021-10-21 | | Yes | Christoph | Everyone else | N/A | Coach |
| 2 | 2021-10-28 | | Yes | Nick | Everyone else | Christoph | Coach |
| 3 | 2021-11-04 | | Yes | Nike | Everyone else | Dominic Paul Christian | Coach |
| 4 | 2021-11-11 | | Yes | Dominic | Everyone else | Que | Coach |
| 5 | 2021-11-18 | | Yes | Christoph | Everyone else | Nikita | Coach |
| 6 | 2021-11-25 | | Yes | Nick | Everyone else | Felix | Coach |
| 7 | 2021-12-02 | Mid-project release due | Yes | Christoph | Everyone else | Jannis Max | Coach |
| 8 | 2021-12-09 | | | Nick | Everyone else | Nick | Coach |
| 9 | 2021-12-16 | | | Christoph | Everyone else | Berinike | Coach |
| 10 | 2022-01-13 | | Yes | Nick | Everyone else | Christoph | Coach |
| 11 | 2022-01-20 | | | Nike | Everyone else | Dominic Paul Christian | Coach |
| 12 | 2022-01-27 | | | Felix | Everyone else | Que | Coach |
| 13 | 2022-02-03 | | Yes | Felix | Everyone else | Nikita | Coach |
| 14 | 2022-02-10 | Demo day / final release | | Felix | Everyone else | Jannis Max | Coach |
| 15 | 2022-02-17 | Project retrospective due | | Felix | Everyone else | Felix | Coach |
| | | | | | | | |
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Product Goal

| Product Vision | Project Mission |
|--|---|
| | |
| NFTs allow for a secure, easier and independent way of making an earning as an artist or creator. NTFs therefore have potential for the worldwide community to empower more people to produce and supply in the digital realm, without profitmaking intermediaries that cause transaction and marketing costs. Other advantages of digital crypto tokens can be transparency, trust-safety, decentral storage (not controlled by big institutions) and potentially helpful in legal issues, without the need for payment processors and banks. | Our project can contribute to the vision by creating a reusable example application which manages NFT Drops and automatizes important steps in order to facilitate earning money with own NFTs. As an open source project, the result can be used by individuals and companies, to easily create and provide NFT sales for their own marketing strategies, metaverses, profit or online campaigns for several non- or commercial purposes. |
| Public blockchains with transparent transactions could help to recognize illicit and criminal money flows like corruption and tax robbery schemes. An important use case for NFTs therefore are ownership and objects in Metaverses and games. | A private secondary market mechanism is supported for a deeper relationship between customers and the market owner. |
| Additionally, NFT markets allow for new products and business models like crypto games or crypto funding. It features security/protection which is useful for practically every digital company. | |

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Product Glossary

| Term | Definition |
|---------------------------|---|
| | Digital assignment of an owner (wallet) to digitally represented asset, stored in a blockchain. It is an entitlement to sell or use certain |
| Non-fungible Tokens (NFT) | asset. It differs from usual crypto currency that every NFT has an individual value. |
| fungible token | Indicator of financial asset which is used to buy goods/services and is fully interchangeable with other fungible tokens of the same kind |
| wallet | A digital depot for crypto-asset, NFTs and other crypto currency. |
| (NFT-)drop | An event where a collection of NFTs first hits the market, become buyable and are delivered to buyers. Pre-drop reservations possible. |
| (NFT-)drop | Similar to what is a playlist on YouTube but with NFTs. |
| minting | Process of turning digital asset into a valid valuable NFT. |
| blockchain | A cryptographically secured append-only database whose history is immutable. This makes it perfect for high-security applications like finance. |
| Ethereum | Company and the eponymous popular blockchain. It supports NFTs and (fungible) crypto currency. |
| Ether (ETH) | Cryptocurrency used with Ethereum |
| Kovan | A Ethereum testnet where ETH are easy and free to get online, but in limited rate of course. |
| Mainnet | A production blockchain that is used for valuable transactions. |
| Testnet | A blockchain for testing purposes. Content and currency in the test net do not have real value. |
| announcement | A News section with title and content which is displayed to visitors of the site. |
| faucet | Source for obtaining crypto currency, particularly for test currency like the one that is used in Kovan. |
| Verified partner | User account without admin privileges which can compose and triggger own NFT-drops in the app. |
| NFT Studio | A page where NFT asset components can be uploaded, sorted into folders, and composed as one NFT for the Drop Workshop. Example: NFT arranged as multiple rectangular panels where each represents a random image from one folder. |
| Drop Workshop | A page accessible to Admins and verified partners where NFT-drops can be created, deleted, published/announced and triggered. |
| User Sales | Process for an interested registered user of buying the offer of another registered user |
| User Resales | Process for a registered user of offering an owned NFT for other registered users to buy |
| NFT Variety | A feature, theme or (sub)category that is shared among some circulating or dropped NFTs. Example: red nose, christmas, horses, |
| NFT Rariety | A measure for how common an NFT variety is. Can be an absolute count or relative percentage. |

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Mid-Project Release Tracking

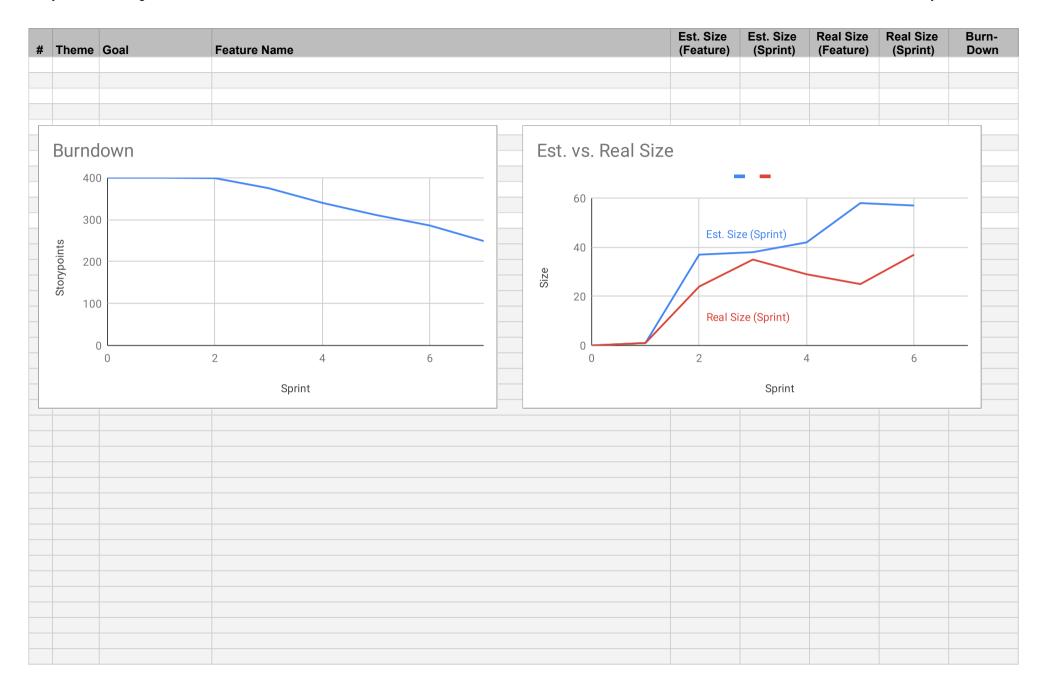
| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn- Down |
|---|-----------|--------------------|---|------------------------|-----------------------|------------------------|-----------------------|---------------|
| 0 | course | organization | | | 0 | | 0 | 400 |
| 1 | setup p | roject & team wor | rk | | 1 | | 1 | 400 |
| | | getting to know | the project vision, mission and work-ready | | | | | |
| | | | hello world project | 1 | | 1 | | |
| 2 | require | ments engineerin | g & tech stack | | 37 | | 24 | 399 |
| | | knowing the cor | mponents of the application | | | | | |
| | | | requirements engineering website | 5 | | 3 | | |
| | | | choose database | 3 | | 1 | | |
| | | | slack channels | 1 | | 1 | | |
| | | | frontend technology stack | 2 | | 3 | | |
| | | | backend technology stack | 3 | | 5 | | |
| | | | smart contract requirements | 5 | | 3 | | |
| | | | blockchain technology stack | 5 | | 3 | | |
| | | | Frontend Mockup for Join Drop | 5 | | 5 | | |
| | | | getting infrastructure | 3 | | x | | |
| | | | endpoint definition for backend | 5 | | X | | |
| | | | | | | | | |
| 3 | first use | e of technology | | | 38 | | 35 | 375 |
| | | github integration | on, wallet creation, blockchain setup, frontend | | | | | |
| | | running a mock | | | | | | |
| | | | Website Signup (Backend) | 5 | | 8 | | |
| | | | Website Signup (Frontend) | 0 | | 2 | | |
| | | | Github Workflow for Backend Linting | 2 | | 3 | | |
| | | | Hello World Smart Contract | 3 | | 3 | | |
| | | | Design Team Logo | ? | | ? | | |
| | | | Wallet Creation For Team Members | 1 | | 1 | | |
| | | | Frontend Mockup for announcements | 5 | | 5 | | |
| | | | Frontend Mockup for NFT market place | 5 | | 5 | | |
| | | | deploy server | 5 | | x | | |
| | | | getting infrastructure | 3 | | x | | |
| | | | Wallet Connection to Account (frontend) | 3 | | x | | |
| | | | Wallet Connection to Account (backend) | 3 | | 5 | | |
| | | | User Information in Database | 3 | | 3 | | |
| 4 | Fundan | nental Smart Con | tract and User Logic | | 42 | | 29 | 340 |
| | | announcement | mechanism, Drop mechanism in smart contract | | | | | |
| | | enhanced user | | | | | | |
| | | | Drop Time Functionality in smart contracts | 5 | | 5 | | |
| | | | random NFT assignment smart contract | 8 | | 8 | | |
| | | | Nuremburg NFT image creation | 3 | | 5 | | |
| | | | team assignment of a user (backend) | 5 | | 3 | | |

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Mid-Project Release Tracking

| 5 We | ebsite design announcement design impleme | team assignment of a user (frontend) getting infrastructure Deploy Server announcement database backend endpoint s, smart contract usability enhancements entation part 1 Register and configure domain NFT purchase limit Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing Human-readable Drop Time format | 5 3 5 8 1 3 3 3 | 58 | 5 3 x x 1 3 | 25 | 311 |
|------|---|---|--------------------------------------|----|----------------------------|----|-----|
| We | announcement | Deploy Server announcement database backend endpoint s, smart contract usability enhancements entation part 1 Register and configure domain NFT purchase limit Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing | 5 8 1 3 3 3 | 58 | x x | 25 | 311 |
| We | announcement | announcement database backend endpoint s, smart contract usability enhancements entation part 1 Register and configure domain NFT purchase limit Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing | 1 3 3 3 | 58 | 1 3 | 25 | 311 |
| i We | announcement | s, smart contract usability enhancements entation part 1 Register and configure domain NFT purchase limit Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing | 1 3 3 3 | 58 | 1 3 | 25 | 311 |
| 5 We | announcement | Register and configure domain NFT purchase limit Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing | 3 3 | 58 | 3 | 25 | 311 |
| | | Register and configure domain NFT purchase limit Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing | 3 3 | | 3 | | |
| | | NFT purchase limit Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing | 3 3 | | 3 | | |
| | | Design FAQ Branding & Color Scheme Github workflow for automatically deployed testing | 3 | | | | |
| | | Branding & Color Scheme Github workflow for automatically deployed testing | 3 | | 3 | | |
| | | Github workflow for automatically deployed testing | | | | | |
| | | | | | 1 | | |
| | | Human-readable Drop Time format | 13 | | x | | |
| | | | 2 | | x | | |
| | | Removal of sensitive data from Github | 3 | | 3 | | |
| | | Deploy Server | 5 | | x | | |
| | | Wallet Connection to Account (frontend) | 3 | | 3 | ? | |
| | | Design implementation landing page | 3 | | x | | |
| | | Design implementation of password/login pages | 3 | | x | | |
| | | Design implementation for page header and footer | 3 | | 3 | | |
| | | announcement database backend endpoint | 8 | | 8 | ? | |
| | | announcement creation, modification, display in frontend | 5 | | x | | |
| Wa | llet Connection & Ani | | | 57 | | 37 | 286 |
| | | byment and testing for cloud functions, smart contract requirements entation, finish wallet connection & announcements | | | | | |
| | | Deploy Server | 5 | | 5 | | |
| | | Github workflow for automatically deployed testing | 13 | | X | | |
| | | Design implementation mockup password/login pages | 3 | | 3 | | |
| | | Design implementation of FAQ page | 3 | | 3 | | |
| | | Blockchain implementation of multiple NFT drops | 5 | | 5 | | |
| | | Implementation of announcement lists and edit page (frontend) | 5 | | 8 | | |
| | | "Buy NFT" button (frontend) | 3 | | 5 | | |
| | | Access Wallet Asset information from backend | 8 | | х | | |
| | | Design mockups for upcoming and owned (bought) NFT-listings | 3 | | 3 | | |
| | | Design mockups for header and footer on mobile devices | 3 | | 2 | | |
| | | Move wallet settings into profile (frontend) | 3 | | 3 | | |
| | | Design implementation of landing page | 3 | | x | | |
| | | , , , , , , , , , , , , , , , , , , , | | | | | |
| • | | | | | | | 249 |
| | | | | | | | |

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Mid-Project Release Tracking

| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn- Down |
|---|-------|------|--------------|------------------------|-----------------------|------------------------|-----------------------|---------------|
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Impediments Backlog

| Sprint | Status | Source | Impediment | Resolution |
|--------|----------|---------------------|---|---|
| 1 | Resolved | Nike | Communication - feeling of people pretending to be "superior" | Democratic voting before deciding things Slack: Poll Function Zoom: Reactions |
| | Resolved | Nick N | Chaotic in general | Getting used to the process with more time If needed: coaching sessions with Jule |
| 1 | In-work | Nick S | Work quite late - finish last minute | Try to start work already at the beginning of the sprint Polls to ask for problems |
| 1 | Resolved | Nick S | Double PO role - hard to communicate; no close collaboration | try to improve communication by having meetings previous to talking with industry partner |
| 1 | Resolved | Christoph | Not too much experience in communication within teams/ groups | Give clear instructions to other team mates on how you would like the communication - be on time for the meetings |
| 1 | Resolved | Dominic | Unstructured Meetings | Prepare Agenda for the meeting - send it out beforehand have a moderator for the meeting |
| 1 | Resolved | Dominic | Unnecessary comments during meetings | Focus on essential topics and try to only talk little about "personal issues" to stay in the timeframe |
| 2 | Resolved | Nike | Confusion who needs to write features | Next PO has to write new user stories Only POs write user stories and have an extra slack channel with ideas |
| 2 | Resolved | Nick N | Information about project status / vision of project and customer opinions | Summary of Industry meeting by PO> maybe new slack channel? |
| 2 | Resolved | Nick S / Felix | Who is responsible for Deliverables? | Second Board on github for project internal things |
| 2 | Resolved | Dominic | Everything in general channel | Create new channels in slack for organisation |
| 3 | Resolved | Dominic / Christoph | Pull requests all over the place - what should be happening in the review phase? How many people? | Creation of Slack Channel Specify guidelines and agree on it democratically |
| 4 | Resolved | Nike | Review Comments were unclear | Put into guidelines - clear suggestions for the code review |
| 4 | In-work | Christoph/Felix | Improvement of branch naming / management | Suggestions and democratic vote on branch structure |
| 5 | Resolved | Dominic/ Que | Pull requests take too long - too long of discussions | Accept small deviations from guidelines - give feedback but still grant review |
| 5 | Resolved | Nike | Waiting for reviews more than 48hrs | Vote in Slack Channel for time limit for review process |
| 5 | Resolved | Dominic | We are not up to date about others' status | More regular Stand-up Mails by everyone with longer description |
| 5 | Resolved | Nick S | Work is not focused on most important things | Focus on tickets and reviews you are assigned to |
| 6 | In-work | Christoph | Commit messages should be improved | Should include more "what the commit does" not longer than a few sentences |
| 6 | In-work | Christoph /Dominic | Takes long to finish large features - marked as merged should really by mergeable | Make more use of draft pull requests for long stories >> Slack Channel discussion |
| 6 | In-work | Nick | Issues are too large | Split them into more issues |
| 7 | In-work | Christoph | Spending too much time on the project - effort is not according to university project | Take less features into the sprint |

AMOS Project 7 - Planning Documents

Impediments Backlog

| Sprint | Status | Source | Impediment | Resolution |
|--------|--------|--------|------------|------------|
| | | | | |
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AMOS Project 7 - Planning Documents

Final Project Release Plannning

| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn- Down |
|------------|---------|--|---|---------------------|-----------------------|------------------------|-----------------------|---------------|
| 7 | Towards | the NF1 | r-Drop | , | 51 | , | 47 | 249 |
| | | NFT-list | ing implementation, proper announcement design, user purchases, admin triggered drop | | | | | |
| | | | Organize stable server deployment | 2 | | 2 | | |
| | | | Github workflow for automatically deployed testing | 13 | | | | |
| | | | Design profile mockup | 3 | | | | |
| | | | Implement proper design for the current announcements | 3 | | | | |
| | | | IPFS URIs for NFT-drop creation | х | | | | |
| | | | Enable security against fraudulent NFT-drops (blockchain) | 3 | | | | |
| | | | Blockchain NFT-Drop Creation with NFT prices | 3 | | | | |
| 8 Reaching | | | NFT minting process (Blockchain) | 5 | | | | |
| | | Implementation of public view of available-NFT-drop listing (frontend) | 5 | | | | | |
| | | | Implementation of application header and footer for mobile devices (frontend) | 3 | | | | |
| | | | Implementation of landing page design | 3 | | | | |
| | | | Access Wallet Asset information from backend | 8 | | 45 | | |
| 8 | Reachin | a The Di | | | 35 | | 35 | 202 |
| | | only ellig NFTs ar | can trigger and create new NFT-drops; NFT-listings can be public/private and viewed. gible user roles (Admins, authorized validated users) can create NFT drops. e distributed randomly to users after drop takes effect. d CI pipeline stands. | | | | | |
| | | | Design mockup for "Drop Workshop" where NFT Drops are created, deleted, published/announced and triggered. (Blockchain interaction) | | | | | |
| | | | Design NFT preview and individual NFT's info page | | | | | |
| | | | Design additional list of NFT drops with countdown on landing page | | | | | |
| | | | Blockchain alternative distribution mechanic for unsold NFTs | | | | | |
| | | | Blockchain buying timespan for reserved NFTs after NFT-drop is executed | | | | | |
| | | | Implementation of view of a user's NFT collection, only for registered users | | | | | |
| | | | Implementation of user profile (frontend) | | | | | |
| | | | Frontend tests (Jest, Cypress) | | | | | |
| | | | Use-case-like System tests with Pupeteer for CI | | | | | |
| 9 | | | Addition of authorized verified partner as team role | 35 | | 35 | | |
| | NET Dro | n Croate | prs encountered! | 35 | 35 | 35 | 35 | 167 |

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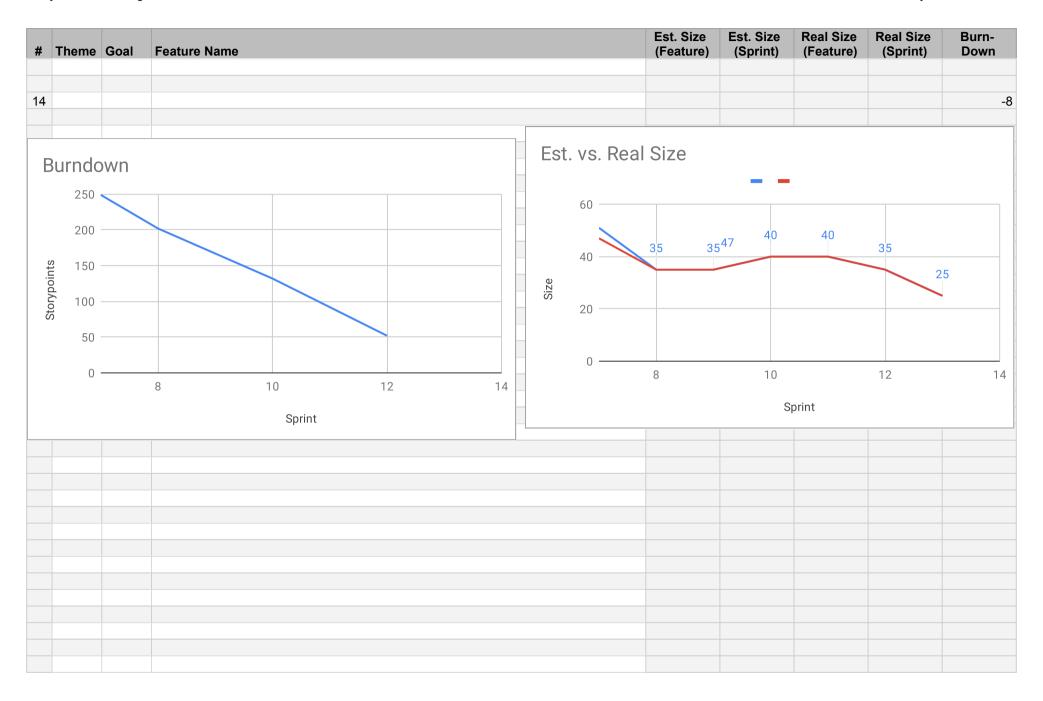
Final Project Release Plannning

| # The | me G | oal Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn- Down |
|---------|--------------|---|------------------------|-----------------------|------------------------|-----------------------|---------------|
| | | ontinuation of the previous sprint goal. | • | | | | |
| | | ome NFTs are only accessible/viewable in this closed market like private-user-NFTs. | | | | | |
| | N | FTs can be previewed in individual info page and optionally in bigger size. | | | | | |
| | | Design for the NFT Studio - simple NFT Builder, upload feature, minting button/feature | | | | | |
| | | Implementation of "Drop Workshop" design (dismissed as low prio) | | | | | |
| | | Implementation of "Drop Workshop" additional functionality (dismissed as low prio) | | | | | |
| | | Implementation of NFT preview and NFT info page | | | | | |
| | | Implementation of backwards running ticker (belonging to which NFT-drop?) | | | | | |
| | | Implementation of image uploading functionality (usable for announcements and NFT studio) (backend) | | | | | |
| | | | | | | | |
| | | Test cases to ensure account restriction for NFT drop functionality. | 35 | | 35 | | |
| 10 NFT | studio | | | 40 | | 40 | 132 |
| | | mple NFT data (like images or text files) can be uploaded and stored/retrieved in database and connected to drops | | | | | |
| | | Design for NFT sale offers offered to foreign accounts via a user profile | | | | | |
| | | Design for NFT resale functionality by account owner in profile | | | | | |
| | | Design for simplistic NFT preview functionality (no extra page required) | | | | | |
| | | Implementation NFT Studio NFT builder part 1 | | | | | |
| | | Implementation NFT Studio NFT builder part 2 | | | | | |
| | | Implementation NFT Studio Uploads (Frontend) | | | | | |
| | | implementation NFT (easy?) minting process | | | | | |
| | | Implementation of announcement images | | | | | |
| | | | 40 | | 40 | | |
| 11 Clos | sing the | e (NFT) circle | | 40 | | 40 | 92 |
| | N "F M | FT resale by people of the "inner circle", i.e. owners and bidders of NFTs from the past with accordenable button for NFTs, price offer option for buyers (when owner selects it). ultiple NFTs can be selected or filtered for easy multi-action and search on all selected NFTs. With each resale, the original creator obtains a portion of the price. NFT can be previewed. | ount. | | | | |
| | | Design for NFT preview and individual NFT info page including sales history, and additional info (incl. creation) | | | | | |
| | | Simple design addition for alternative user registration, e.g. Google,?? | | | | | |
| | | NFT Studio Follow Up implementation | | | | | |

AMOS Project 7 - Planning Documents

Final Project Release Plannning

| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn- Down |
|----|-----------|----------|---|---------------------|-----------------------|------------------------|-----------------------|---------------|
| | | | Implementation of user-sales functionality | (1 catalo) | (0) | (i calcaire) | (Ср) | 20 |
| | | | Implementation of NFT/drop(-list) preview functionality, integration into different pages | | | | | |
| | | | implementation of mini preview of NFT/drops which get linked to announcements | | | | | |
| | | | Implementation of user-resales functionality | | | | | |
| | | | • | 40 | | 40 | | |
| 12 | Lessons | of Histo | ory Channel | | 35 | | 35 | 52 |
| | | Provide | e sales history which is listing sales records for NFT (re)sales. tive user registration, embedding twitter chat on site(??) | | | | | |
| | | | Implement alternative account registration functionality + design | | | | | |
| | | | implement NFT info page basic | | | | | |
| | | | implement NFT info page history feature (backend) | | | | | |
| | | | implement NFT info page history feature (frontend) | | | | | |
| | | | | | | | | |
| 13 | red, gree | en RFF | ACTOR | 35 | 25 | 35 | 25 | 17 |
| | rou, gro | Usabilit | ty improvements, fancy addons and design implementation (if time permits). p and refactor code for maintenance and allow for easier future development. | | | | | ., |
| | | | | | | | | |
| | | | | 25 | | 25 | | |



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Definition of Done

| # | Feature Definition of Done | Sprint Release Definition of Done | Project Release Definition of Done |
|---|---|--|--|
| 1 | The code is reviewed by at least two people | Release candidate was tagged | User documentation available |
| 2 | Every larger component/object/class has a comment/JDoc. Small functions should either be self-explanatory based on the function name or also be commented | Tests for the release candidate were compiled, build and run | Tests for all application critical functions |
| 3 | Feature works on the machine of a different team member | Release candidate is deployed to operations environment | |
| 4 | Code is in the main branch | Release is tagged with current sprint number | |
| 5 | GitHub CI and checks succeed | Documentation available | |
| 6 | [Code coverage, testing?] | | |
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Documentation

| Type | Link / reference |
|-----------------------------|---|
| Requirements Smart Contract | https://docs.google.com/document/d/1S7tHRaEUoF9FJN_28D3lvtelquaD9fRatbvqKY1aE/edit |
| Software Architecture | https://docs.google.com/document/d/1ta25Bhs-exHCyM281CE_YUDq3FhjdktO6-a7hyEk_kM/edit#heading=h.mpdikrgqtfxb |
| Server Architecture | https://drive.google.com/drive/u/0/folders/1hSw9R6SqZH5jMlMtA_EySslABxfzBTdA |
| Website requirements | https://docs.google.com/document/d/1XSkG0V8GKgFLEi4khz0xZapYmKVoykUJ4RExn-6pNFQ |
| Techstack Frontend | https://docs.google.com/document/d/14XCqHOpMnODqBclcaX0ZpxStfuG5Y1G1mN6UK5PzwNc |
| Techstack Backend | https://docs.google.com/document/d/1Yrlt-yy85KF359LNd6y0RSpUN8MBhCDcpyzC-geJdtc/edit?usp=sharing |
| API endpoints for backend | https://github.com/amosproj/amos2021ws07-nft-development/issues/9 |
| Deployment Tech | https://docs.google.com/document/d/1GHmuxU5iK8VqIVWdzi4NaaRJXI9t5dRaCVvw-j-am8U/edit?usp=sharing |
| Mockups | https://www.figma.com/file/8kdPSVa0kG9BI5xVdLpydr/Untitled?node-id=0%3A1 |
| Review Guidelines | https://docs.google.com/document/d/10FvJq6eY0aQil-MBv8-Md7d4lQxHsAvYcXz1HI5f2cY/edit?usp=sharing |
| User Manual | |
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AMOS Project 7 - Planning Documents

Bill of Materials

| Context | Name | Version | License | Comment |
|---------------------------------|---------------------|---------|--------------------|---|
| 1 Frontend framework | React | 17.0.2 | MIT | |
| 2 Frontend library | Material UI (Core) | 4.12.3 | MIT | |
| 3 Frontend library | Material UI Icons | 4.11.2 | Apache License 2.0 | |
| 4 Frontend library | ESLint | 7.32.0 | MIT | |
| 5 Database | MariaDB | 10.6.3 | GPL, LGPL | Because inclusion in appwrite, Similarity to PostgresDB |
| 6 Backend Framework | Appwrite | 0.11.4 | MIT | Includes MariaDB |
| 7 Backend Language | Python | 3.9 | PSF, BSD | |
| 8 Map tiles | OpenStreetMap | 2.0 | CC BY-SA | https://www.openstreetmap.org/copyright |
| 9 Server depolyment | nginx proxy manager | 2.9.12 | MIT | https://github.com/jc21/nginx-proxy-manager |
| 10 Backend - Python init script | pandas | | BSD | |
| 11 Backend - Python init script | openpyxl | | MIT | |
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Planning Poker

| Last Name | First Name | | | |
|-------------|------------|-------|------------------|--|
| Tech | Berinike | TUIVI | TUIVI | |
| Heil | Dominic | 0! | 0! | |
| Steinkohl | Felix | U! | U: | |
| Stender | Nick | | | |
| Ehmendörfer | Christoph | 0 | No size | |
| Pilgrim | Jannis | 1 | Trivial size | |
| Le | Ba Que | 2 | Small size | |
| Naumov | Nik | 3 | Medium size | |
| | | 5 | Large size | |
| | | 8 | Very large size | |
| | | 13 | Too large (size) | |
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