



**Welcome to the
DerbyRuns Whitepaper**

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Disclaimer

The attached white paper is meant to describe DerbyRuns' current anticipated plans for developing its business, token, and NFTs. Nothing in this document should be treated or read as a guarantee or promise of how DerbyRuns's business will develop or of the utility or value of the token or NFTs; the document outlines our current plans, which could change at our discretion, and the success of wh

Compliance

The following whitepaper is intended to be a technical overview. It is not intended to be comprehensive nor to be the final design. Noncritical aspects are not covered. This paper consists of information given for discussion purposes only and does not represent investment advice of any kind. Further, it does not constitute an offer to sell shares or securities, nor does it constitute a solicitation to buy such shares or securities. None of the information found within is intended to influence any investment decision nor should it be the basis of an investment decision. Investing advice for investment in any security or tax or legal advice should only be given by an investment advisor, and DerbyRuns is not an investment advisor. DerbyRuns (DRUN) encourages readers to seek appropriate and independent professional advice to inform themselves of the legal requirements and tax consequences of any investments they make, both within DerbyRuns and within the blockchain industry as a whole. Investments should only be done with the help of an independent financial advisor within the context of the countries of their citizenship or residence, and their place of business with respect to the acquisition, holding or trade-in of DerbyRuns Non-fungible tokens (NFTs) or the DRUN token. Please note that this Whitepaper does not constitute an offer to sell, or the solicitation of an offer to buy, for any person for whom it may be unlawful to participate in a token sale. Those for whom it is unlawful to participate should not participate. Consult with your own lawyer or accountant to determine whether it is lawful for you to participate in this token sale. This Whitepaper should in no way be construed as being intended to create a contract for investment. This Whitepaper (version 1.0) may be revised, with the newest edition always appearing on our website. For each revision cycle, we will provide notes on what has changed and the justification for the change. Updated versions of the Whitepaper (as indicated by consecutive edition numbers) may contain information that may override, clarify, or contradict previous editions, in which case the latest version should be considered the most accurate and up-to-date. Because of this, versions that are found outside of the DerbyRuns website may contain out-of-date or inaccurate information. The most up-to-date version of the white paper can be located online at the website

Abstract

Derby Runs Vision

Derby Runs long term vision is to create an innovative crypto game combining blockchain technology and Ride-To-Earn mechanics to develop an unparalleled thoroughbred ownership and racing experience. The game will allow players to breed, train, and race virtual horses in a decentralized, blockchain-based Web 3.0 environment.

Leveraging the security and transparency of blockchain technology, Derby Runs allows players to earn cryptocurrency rewards for their success in a fun and engaging game using the enrichment of Web 3.0 technology. With non-fungible tokens (NFTs) representing each virtual horse, players can earn & win cryptocurrency (DRUN) in order to spend it in-game to purchase horses, breed them to create unique offspring, and train them to compete in high-stakes races.

With non-fungible tokens (NFTs) representing each virtual horse, players can earn & win cryptocurrency (DRUN) in order to spend it in-game to purchase horses, breed them to create unique offspring, and train them to compete in high-stakes races. Offspring can be kept to train new winning horses, or fowls can be sold on the open market. Your horses will have a lifespan, require proper feeding and caretaking, as well as training. Be mindful not to neglect your digital assets, as the horses you own will actually live in the metaverse.

Derby Runs features intuitive gameplay mechanics and a user-friendly interface, as well as real-world horse racing data and partnerships with leading organizations for an immersive experience. Participating in Derby Runs provides the opportunity to earn cryptocurrency rewards for a range of real-world purposes, while building a community of fellow horse racing enthusiasts from around the world. Whether a seasoned enthusiast or casual gamer, Derby Runs offers a unique and rewarding experience for players of all levels.

Preface

Derby Statistics

In 2019, The Kentucky Derby was ranked 8th in most valuable sports events worldwide, with the Super Bowl and the Summer Olympics taking the top spots. With a \$155M brand value, Horse Racing is a sport that attracts eyes and dollars. In 2022, the Horse Racing Track industry in the United States alone was valued at \$3.68B. Which is down from the pre-covid revenues of \$5B. However, the market began recovering in 2022 with a \$160M jump in revenues. 1



The market size of the horse racing track industry in the United States from 2012 to 2021 (in billion USD)

"Online Games - Worldwide | Statista Market Forecast."

<https://www.statista.com/outlook/dmo/digital-media/video-games/online-games/worldwide>. Accessed 29 Nov. 2022.

The Global Online Gaming Market

The global digital media market experienced consistent growth over the past few years, with online gaming accounting for the largest share of the market revenues. In 2020, the global online gaming market generated \$21.1B in revenue. This is a record-breaking 21.9% growth trajectory. COVID-19 undoubtedly contributed to the boost, as the world turned to digital options for entertainment and social interaction. There are an estimated one billion online gamers worldwide, with China, South Korea, and Japan having the biggest online gaming reach. In 2025, the online gaming population is projected to surpass 1.3 billion users.

Gaming And Blockchain

Non-fungible tokens (NFTs) are one of the hottest topics in technology, and their implications are enormous for several industries. The gaming sector has found great potential in the application of NFTs as in-game assets. The current market cap of the NFT market rests at \$17B USD², but according to Nasdaq, only 1 in 4 US adults can say what an NFT is.

³ Still, big brands are hitting the track, including Atari, Taco Bell, Nike, and Warner Music Group. ⁴ Clearly, industry leaders understand the value of NFTs, but what does this mean, and what can we do with them? NFTs commonly represent ownership of digital pieces of art. It is similar to the traditional art world, in which curators verify authentic works of art. On the blockchain, digital smart contracts replace curators and verify the authenticity and ownership of assets. NFTs can act like a deed.

And in the world of online horse racing, that deed represents the ownership of a thoroughbred. In addition to NFTs, the Play-to-Earn market took over the crypto world when Axie Infinity, a Play-to-earn mobile game, experienced a rise of 40k% during the last bull run. ⁵ Play-to-Earn gaming rewards players for engaging and leveling up in a game, increasing the game's reach and usage and overall ability to generate revenue. Combine Play-to-Earn technology with the ownership of NFTs, and gamers have an interactive gaming experience with a financial incentive.

²"The Jockey Club Projects 2023 Foal Crop of 18500." 9 Sep. 2022, <https://www.jockeyclub.com/Default.asp?section=Resources&area=10&story=1365>. Accessed 29 Nov. 2022

Beyond The Bleachers

While attending and betting on horse races is a sport many enjoy, only a select few get to experience the behind-the-scenes action involved in the industry. The real players in the Derby own, house, train, feed, breed, and hopefully race their thoroughbreds for a shot at the real prize. This is an expensive wager, but with significant risk comes the possibility of great reward.

The US Jockey Club is projecting a North American registered Thoroughbred foal crop of \$18,500 in 2023.⁶ These horses often go to auction at one year of age and are ready to race by age two. The cost of racehorses varies greatly depending on their pedigree and conformation, with an average sales price of \$76k. The average price for a two-year-old thoroughbred in training is \$94k, and the average cost for a yearling is \$84k. Of course, there can be bargains, and if a buyer knows what to look for or how to time the market, they can find a finisher for much less.

According to horseracingbusiness.com, McPeck racing bought two-times horse of the year, Curlin, for \$57k and went on to win over \$10.5M. They also paid \$35k to Swiss Skydiver, who had \$2.2M in career earnings.

Mission

By combining the time-honored sport of thoroughbred racing with the latest blockchain technology, DerbyRuns aims to provide the thrill of buying and training a winner and bring that experience to the masses with their new Ride-To-Earn metaverse and thoroughbred racing game.



⁶"The Jockey Club Projects 2023 Foal Crop of 18500." 9 Sep. 2022, <https://www.jockeyclub.com/Default.asp?section=Resources&area=10&story=1365>. Accessed 29 Nov. 2022

Introducing DerbyRuns

DerbyRuns leverages blockchain technology to provide a Ride-to-Earn Metaverse for gamers and horse racing enthusiasts globally. By incorporating all the aspects needed to develop a champion, gamers can experience the thoroughbred ownership process from start to finish while enjoying a taste of the reward potential experienced by racehorse owners.

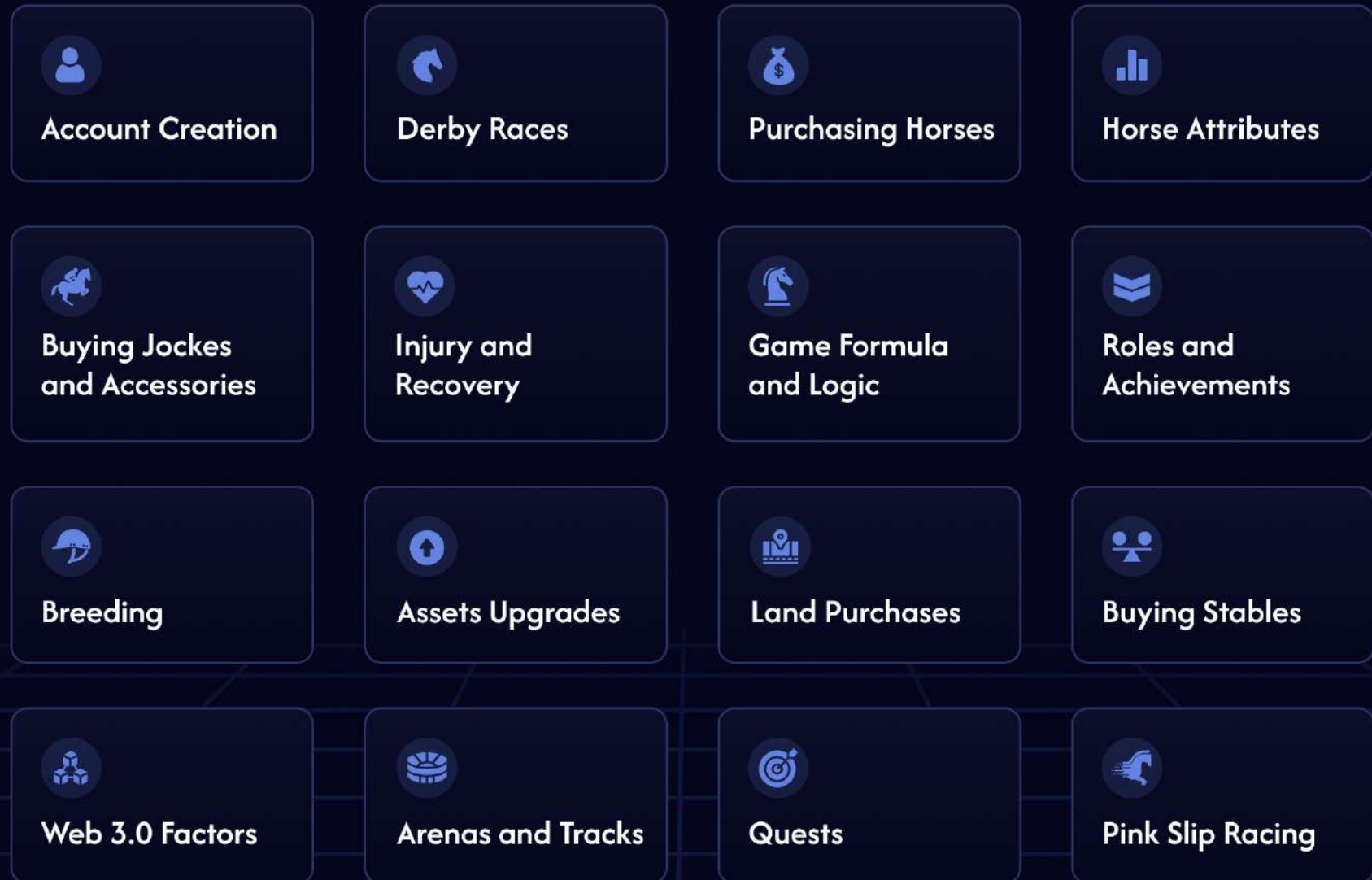
The DerbyRuns metaverse will be backed with Ride-to-Earn gaming mechanism that incentivizes players to level up and continue to grow and nurture their stock. In addition to horse ownership, players can buy stables, tack, jockeys, uniforms, and everything needed to raise their foal to become full-fledged racehorses.



Horse owners will be able to experiment with breeding options to breed different statistics into their stock to develop the ultimate racehorse. Additionally, DerbyRuns will build towards an experience over time, where players can explore the DerbyRuns Metaverse on horseback, engage in missions, various quests and mini-games to earn more, simply train their horses and get an edge on the competition. Players will use the DRUN token throughout the ecosystem for buying and selling assets and Ride-To-Earn rewards.

"The Jockey Club Projects 2023 Foal Crop of 18500." 9 Sep. 2022, <https://www.jockeyclub.com/Default.asp?section=Resources&area=10&story=1365>. Accessed 29 Nov. 2022

Gameplay



Account Creation

Upon account creation, account holders will receive one basic horse. Free horses cannot be sold but only upgraded and used to earn reward tokens by winning races. Stables can be sold after a 2-month stake period. Specific rarities of horses are available for purchase, and each horse will require stable upgrades for housing.

"The Jockey Club Projects 2023 Foal Crop of 18500." 9 Sep. 2022, <https://www.jockeyclub.com/Default.asp?section=Resources&area=10&story=1365>. Accessed 29 Nov. 2022



Derby Races

The primary game-play mode will be the derby-style races. Each race will have an entry fee, with a portion going to the top 5 winners and a portion going back into the ecosystem. Specific requirements will need to be met to enter a horse for racing. For example, the horse needs to be of a specific Tier & Level to enter races with higher stakes. Additionally, hunger, training, attention and exhaustion levels will all be taken into account to ensure a realistic & captivating gaming experience. As the game matures, certain betting features will be available on Derby races. Display options will include events, next-to-run, live display, results, and horse standing.



Purchasing Horses

Gamers will be able to collect and trade NFT racehorses similarly to real-world horse ownership, in which they will interact to create deals with other stable owners. There will be an initial mint of Thoroughbred NFTs available at multiple stages. These can be purchased directly on the website or second-hand on third party NFT platforms. Each horse will have a variety of statistics written into their metadata, with each stat encompassing an ability that provides more value to the horse.

Living NFTs

It is key that players treat their digital assets with care & attention as the horses will actually have a lifespan. Horses will live for a maximum 20 weeks each. Also, neglecting to take care of your horses or demanding too much of your them will carry penalties. We encourage our players to be responsible horse owners. The NFT rarity is defined by the horse’s statistical level



Horse Attributes

The horse’s conformation is described through a set of attributes that significantly influence various aspects of the game. Notably, certain attributes have a direct bearing on your horse’s speed, which remains the primary focus in the MVP. However, as the game progresses, additional attributes will be incorporated to enhance realism, deepen the gameplay, and empower players to devise distinct strategies to boost their horse’s on-track performance, training, and breeding.



MVP

Speed
Fitness

Acceleration
Gender

Stamina
Age

Hunger



Future
Releases

Agility
Robustness

Distance Specialisation
Health

Surface Confidence
Temperament

Spirit & Heart



Buying Stables

As the game shifts into the metaverse many facilities and options will eventually be on the DerbyRuns marketplace, among the first structures that will be available are the stables. Players must own two horses and one parcel to purchase a Stable. There will be a limited number of stables available to increase the competitiveness and the need for interaction between horses and stable owners. There will be different options associated with the stables and also the ability to rent out stalls for housing and breeding. Larger stables will require more parcels.

Stables

Aside from the contender level of horses and stables acquired through account creation, various stables will be available for purchase. Based on different stable combinations, stables can be upgraded in the game. Some of the Stable tiers are:



Buying Jockeys And Accessories

Jockeys will be a crucial element for a winning horse. While every basic horse comes with a Jockey, the option to upgrade a jockey in the marketplace will be available to acquire one with more experience or abilities. A shop for accessories and paint will also be available so players can customize their horse tack, saddle, uniforms, and more to their unique tastes.



Land Purchases

DerbyRuns aims to create an open world where DerbyRuns horses can explore and frolic through the metaverse. The metaverse will have a variety of missions but also open lands for wandering, exercising, and exploring. This will include grazing lands, stables, pasture, and more.



Quests

The open metaverse and stable lands will have a variety of ongoing missions and quests that players can engage into, level up, and earn rewards. These rewards may be in tokens or additional NFTs such as tack or uniforms or come in the form of health and strength statistics for exercising and training.



Pink Slip Racing

Racing culture has developed a group of people ready to risk it all. DerbyRuns will combine street racing culture with Derby racing, but your NFT horse is on the line this time, and the winner takes all in this Player-vs-Player (PVP) action-packed event.



Breeding

Breeding, a fundamental game feature that all horse owners can partake in, requires both a mare and a stallion. To engage in breeding, players must own a stable and pay the requisite transaction fees. The stallion owner will charge a fee, and the mare owner will receive the foal. As a core element of the game, breeding will enable new generations of thoroughbreds to compete in races as seasons pass and new versions are released.



Assets Upgrades

Players will be able to purchase horse statistic upgrades, tack, saddles, jockey uniforms, and more. These asset upgrades might not only enhance the aesthetics of the game but could also improve horse performance and increase the chances of winning



Roles & Achievements

As DerbyRuns develops, roles will be introduced into the game. Each role earns a portion of the winnings from the races. For example, if a horse won an award in a Derby, the owner, Trainer, and Jockey could all earn a percentage of the winnings. This will reflect the horse racing world in real life and will allow players to work their way up, even if they do not have the means to start splurging on horses at the beginning.

Horse Owner

This is the main role of the player when they join the platform. When joining, each player is a horse owner and they can start building their stable from that point on.

Breeder

When their mare/stallion breeds, the owner of the horse becomes a breeder. Stallion owners receive a fee, and mare owners retain the foal.

Trainer

The trainer plays a crucial role in DerbyRuns. They can be retained to work with a horse and improve its rating and abilities. This role can be someone other than the horse owner, and any player can be contracted to serve as a trainer.

Racecourse Manager

This player mode can be chosen and allows players to organize races. The Racecourse manager will earn a percentage of the earnings from each event they successfully organize and manage.

Jockey

A jockey's role is to ride the horse during races to ensure that it performs at its peak level. This requires a lot of skill and attention to detail if you want your horse to win. The jockey can be acquired from the Marketplace.



Web 3.0 Factors

The game ties in with the future of web 3.0 not only because it's built on the blockchain. The team is working on bringing in web 3.0 partners and technologies so players can show their results tied to their in-game identities. As you play you will create memories and achievements that will be captured as NFTs.



Arenas & Tracks

Arenas and tracks are an integral part of the horse racing game, and the MVP version will provide a range of options in terms of track length and location. Future versions will add track surfaces that are affected by weather conditions, adding a new level of realism to the gameplay.

As the game transitions into the metaverse, players will have the option of fractional ownership for assets that generate income and land deeds for constructing expansions and improving facilities. These additions will not only enhance the overall experience but also offer players the chance to invest and grow their virtual assets.



Injury & Recovery

At DerbyRuns, fairness is a top priority, and the community deserves the opportunity to grasp the core mechanics of the game before new handicaps and strategies are introduced. Injury and recovery will be added to future releases, taking into account various factors such as track surface, weather, exposure to races and training, breed, health, and more to create a realistic and immersive gaming experience.



Game Formula & Logic

Our game formula is the secret sauce that drives the horse racing game's mechanics and will remain undisclosed. It will incorporate all attributes and new additions as they are introduced over time, including jockey options, marketplace items, mini-game results, horse and stable maintenance, weather, track surface, breeds, heritage, bloodline, and more. This approach ensures that the gameplay experience is continually evolving and improving, offering a dynamic and engaging gaming experience to players.

Constant tweaking of our game formula keeps the community on the lookout for new strategies and approaches to not only improve their horses and facilities but also find new ways to grow their virtual assets. As the game evolves and other features are introduced, players will need to adapt their strategies and tactics to remain competitive. This will keep our players sharp and engaged as there is always something new to tinker with.

Explained Features

The real players in the Derby own, house, train, feed, breed, and hopefully race their thoroughbreds for a shot at the real prize.



Speed

The speed a thoroughbred can achieve in top condition. Some breeds are better equipped to race long distances.



Acceleration

The time it takes for a thoroughbred to reach top speed. Some breeds will be better equipped to boost speed.



Stamina

Physical conformation of the horse is vital. Stamina determines its ability to maintain peak performance. A horse's ability to sustain peak performance is a critical factor to consider when selecting races.



Hunger

The large machines they are, thoroughbreds have a healthy appetite to fuel their rigorous training regimes. A hungry horse cannot reach its full potential, therefore horses require timely feeding.



Fitness

Mental processing and temperament are extremely important in traditional horse racing. DerbyRuns NFTs have a constitution score that increases their rarity and ability to race in all circumstances. The constitution score assigned to each DerbyRuns NFT serves as a unique and dynamic metric



Gender

Only mares can carry and give birth to foals, which are essential for the breeding process. On the other hand, stallions can breed with multiple mares and pass down their genetic traits to the foals. Each gender will come with pros and cons the player must carefully consider

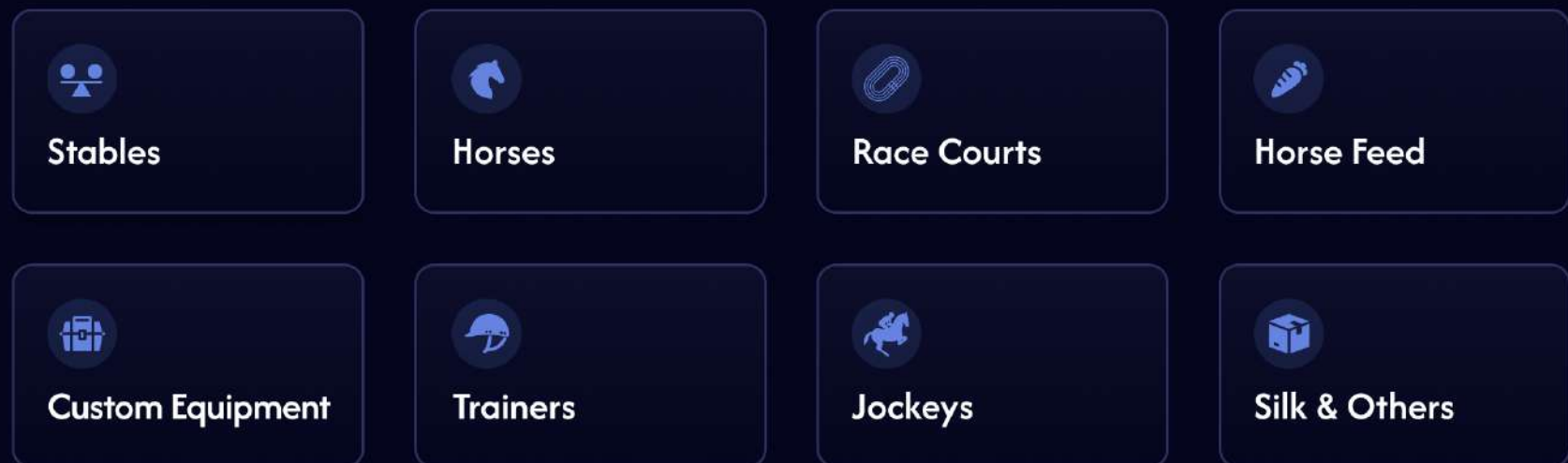


Age

Younger horses may have more potential for growth and improvement but may lack experience and maturity. Older horses may have more experience and developed skills, but their physical abilities may decline with age.

NFT Marketplace

DerbyRuns will offer an NFT Marketplace. All initial mints and secondary sales will be made available on the site. The marketplace will include wallet connect functionality and additional security features. The players will be able to purchase various good from the marketplace to use in the game such as:



Tokenomics

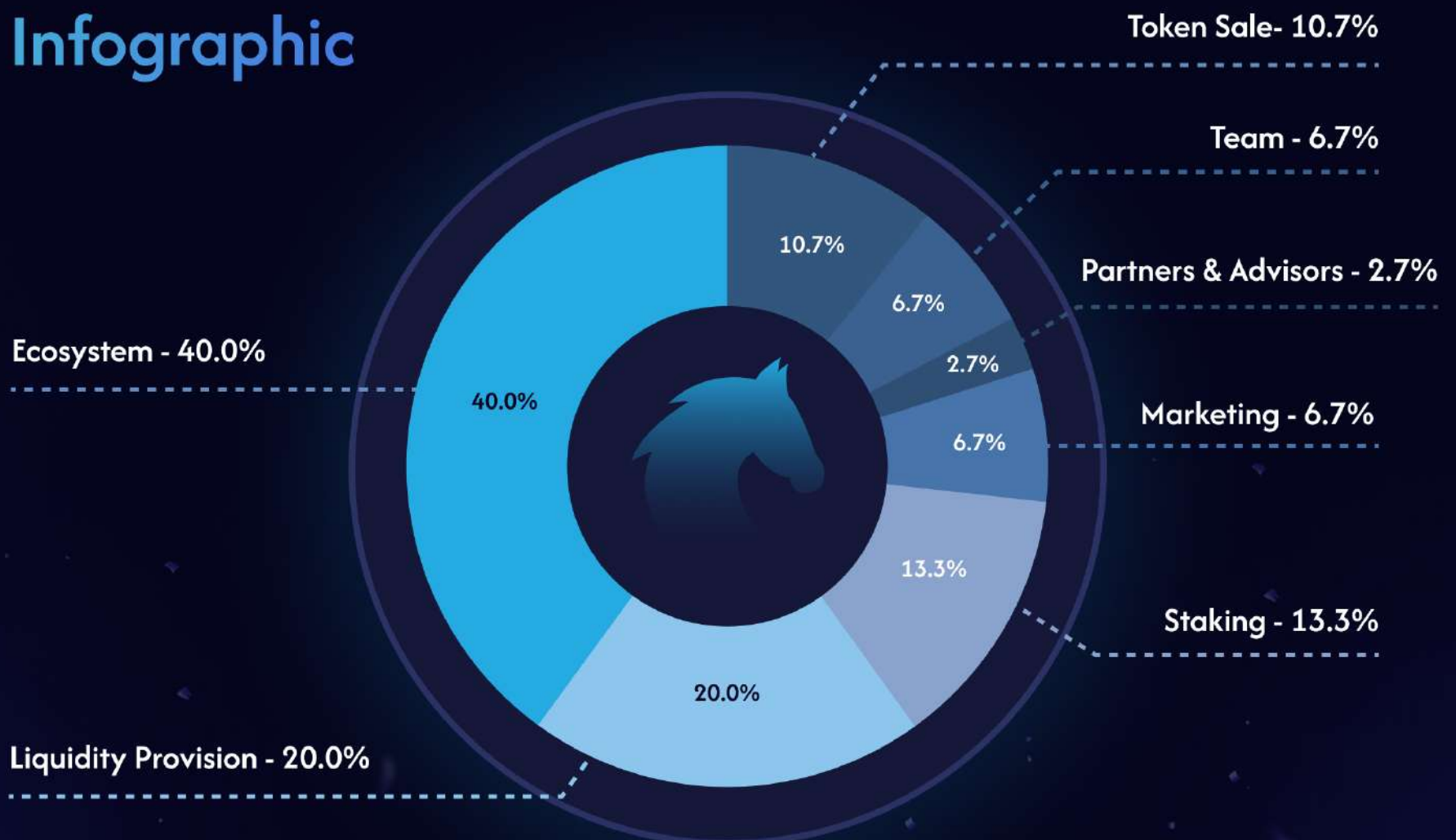
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Project Name	Phase 1
Symbol	DRUN
Blockchain	Ethereum
Future Blockchain	Binance, Matic
Total Allocation	150,000,000 DRUN

Token Allocations

Token allocation	Token supply	No. of tokens
Token Sale	5,000,000 DRUN	5,000,000 DRUN
Team	10,000,000 DRUN	10,000,000 DRUN
Partners & Advisors	1,000,000 DRUN	1,000,000 DRUN
Marketing	10,000,000 DRUN	10,000,000 DRUN
Staking	4,000,000 DRUN	4,000,000 DRUN
Liquidity Provision	10,000,000 DRUN	10,000,000 DRUN
Ecosystem	60,000,000 DRUN	60,000,000 DRUN

Infographic



Token Sale

Sale Phase	No. of tokens
Seed Sale	5,000,000 DRUN
Private Sale	10,000,000 DRUN
Public Sale	1,000,000 DRUN

NFT Economics

Project Name: DerbyRuns

Contract Address: TBA

Token Standard: ERC721

Blockchain: Ethereum (Future: BNBChain, Matic)

Upgrade Store: Price Vary

Horse Paint Shop: Prices Vary

Price Structure

DerbyRuns NFTs will be initially available for Mint on the website, and the buyer will be responsible for the minting and the associated gas fees. Following the minting, All NFTs will be tradable on various NFT marketplaces or the DerbyRuns marketplace and will be released in limited quantities. Every time a DerbyRuns NFT is bought and sold, a percentage of the sale will go back into the DRUN ecosystem.

Reserve

To protect the value and utility of DerbyRuns NFTs, the project will withhold several NFTs from all public sales. These will be used for strategic partnerships, promotional giveaways, endorsements, and in ways that promote and support the project's growth.

Roadmap

2024

1. Website Update

2. Raising Capital

3. Begin Marketing

4. MVP Development

5. Beta Testing

6. Focus Group Feedback

7. Official Game Trailer Release

2025

1. Public Game Release

2. DRUN Token Release

3. Website Updates

4. Marketplace Launch

Partners



 [Become a Partner](#)