DESSERT FINANCE

Birb (BIRB)

BEP-20 Audit

Performed at block **19357395**

PERFORMED BY DESSERT FINANCE

FOR CONTRACT ADDRESS: 0x3CF33Ff134c0e00A2664f148A4232adeA1515C6f

INITIAL DISCLAIMER

Dessert Finance provides due-diligence project audits for various projects. Dessert Finance in no way guarantees that a project will not remove liquidity, sell off team supply, or otherwise exit scam.

Dessert Finance does the legwork and provides public information about the project in an easy-to-understand format for the common person.

Agreeing to an audit in no way guarantees that a team will not remove ***all*** liquidity (“Rug Pull”), remove liquidity slowly, sell off tokens, quit the project, or completely exit scam. There is also no way to prevent private sale holders from selling off their tokens. It is ultimately your responsibility to read through all documentation, social media posts, and contract code of each individual project to draw your own conclusions and set your own risk tolerance.

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DessertDoxxed

DessertDoxxed is a KYC service offered by Dessert Finance that allows projects to do a private face reveal matched with an I.D to allow founders / team members to privately Doxx themselves to Dessert Finance.

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Contract Code Audit – Token Overview

Contract Name

BirbV2

Contract Address

0X3CF33FF134C0E00A2664F148A4232ADEA1515C6F

Compiler Version

v0.8.7+commit.e28d00a7

Total Supply

100,000,000 BIRB

Contract Deployer Address

0x7D70D9EDFa339895914A87E590921c0EECb3c2CC

Decimals

18

BEP-20 Contract Code Audit – Overview

Dessert Finance was commissioned to perform an audit on Birb (BIRB)

```
*Submitted for verification at BscScan.com on 2022-05-25
*/

// SPDX-License-Identifier: MIT
pragma solidity >=0.7.[illegible] <0.9.0;

//                  .  ......
//              .DDDDNIIIINDDDN .
//            DDNIIII$$$$$?$IIINDN.
//          ?D7II$$$$$$$$$$$$$$$ZIDD
//        NDII?$$$$$$$$$,.....?$$ID.
//       D7II?N$$DDDN,..........,$D.
//      NII$$$$$D.DDDD,.....,DDDN,.D+
//     .DII$$$$$$DDDDD,,,.D+:.::+DDD.
//     DDI$$$$$$,NDDD:,,.DI======:ND.
//     D8I$$$$$$.......D+=========:DD
//    .DII$$$$$~.......,DD??????I+=DD
//    .DII$$$$$.......,D=D8DDDD,,DDD
//    NNI$$$$$$.......,N??=DDDDDD,D.
//   NDII$$$$$?.......,D??????7D,D.
//  NII?D$$$$.........+N?777ID,,D.
// .DII$$$$DNI$.............DD$,,DD.
// II$$$$$$DD.................DN
// I$$$$$$DDD.................D.
//  $$$$$$DDD.................D.
//   ,$$$$DDZD.................DD
//    .$$ZDDID~.................D.
//      .DDDD~~~.............~DD
//        ..D~~~~~~,,,~~~~..
//             .:~~~~~~~ .
//
//                 BIRB

abstract contract Auth {
    address internal owner;
    mapping (address => bool) internal authorizations;

    constructor(address _owner) {
        owner = _owner;
        authorizations[_owner] = true;
    }

    modifier onlyOwner() {
        require(isOwner(msg.sender), "!OWNER"); _;
    }

    modifier authorized() {
        require(isAuthorized(msg.sender), "!AUTHORIZED"); _;
    }

    function authorize(address adr) public onlyOwner {
        authorizations[adr] = true;
    }

    function unauthorize(address adr) public onlyOwner {
        authorizations[adr] = false;
    }

    function isOwner(address account) public view returns (bool) {
        return account == owner;
    }
```

Contract Address
0x3CF33Ff134c0e00A2664f148A4232adeA1515C6f

TokenTracker
Birb (BIRB)

Contract Creator
0x7d70d9edfa339895914a87e590921c0eecb3c2cc

Source Code
Contract Source Code Verified

Contract Name
BirbV2

Other Settings
default evmVersion, MIT

Compiler Version
v0.8.7+commit.e28d00a7

Optimization Enabled
Yes with 200 runs

Code is truncated to fit the constraints of this document.
The code in its entirety can be viewed here.

The contract code is **verified** on BSCScan.

BEP-20 Contract Code Audit – Vulnerabilities Checked

Vulnerability Tested	AI Scan	Human Review	Result
Compiler Errors	Complete	Complete	✓ Low / No Risk
Outdated Compiler Version	Complete	Complete	✓ Low / No Risk
Integer Overflow	Complete	Complete	✓ Low / No Risk
Integer Underflow	Complete	Complete	✓ Low / No Risk
Correct Token Standards Implementation	Complete	Complete	✓ Low / No Risk
Timestamp Dependency for Crucial Functions	Complete	Complete	✓ Low / No Risk
Exposed _Transfer Function	Complete	Complete	✓ Low / No Risk
Transaction-Ordering Dependency	Complete	Complete	✓ Low / No Risk
Unchecked Call Return Variable	Complete	Complete	✓ Low / No Risk
Use of Deprecated Functions	Complete	Complete	✓ Low / No Risk
Unprotected SELFDESTRUCT Instruction	Complete	Complete	✓ Low / No Risk
State Variable Default Visibility	Complete	Complete	✓ Low / No Risk
Deployer Can Access User Funds	Complete	Complete	✓ Low / No Risk

The contract code is **verified** on BSCScan.

The vulnerabilities listed above were not found in the token's Smart Contract.

Contract Code Audit – Contract Ownership

Contract Ownership has not been renounced at the time of Audit

The contract ownership is not currently renounced.

We have placed the contract owner address below for your viewing:

0x7d70d9edfa339895914a87e590921c0eecb3c2cc

The address above has authority over the ownable functions within the contract.

This allows the owner to call certain functions within the contract. Any compromise to the owner wallet may allow these privileges to be exploited.

We recommend:

-Establishing a Time-Lock with reasonable latency

-Assignment of privileged roles to multi-signature wallets

Contract Code Audit – Owner Accessible Functions

Function Name	Parameters	Visibility	Audit Notes
authorize	address adr	public	onlyOwner modifier is detected. Owner can call this function if the contract is not renounced.
unauthorize	address adr	public	onlyOwner modifier is detected. Owner can call this function if the contract is not renounced.
transferOwnership	address payable adr	public	onlyOwner modifier is detected. Owner can call this function if the contract is not renounced.

The functions listed above can be called by the contract owner.

If contract ownership has been renounced there is no way for the above listed functions to be called.

Contract Code Audit – Authorize Accessible Functions

Function Name	Parameters	Visibility	Audit Notes
setSwapEnabled	bool set		authroized modifier is detected. Authorized wallets can call this function.
setTxLimit	uint256 amount		authroized modifier is detected. Authorized wallets can call this function.
setMaxWallet	uint256 amount		authroized modifier is detected. Authorized wallets can call this function.
setIsFeeExempt	address holder, bool exempt		authroized modifier is detected. Authorized wallets can call this function.
setIsTxLimitExempt	address holder, bool exempt		authroized modifier is detected. Authorized wallets can call this function.
setFees	uint256 _liquidityFee, uint256 _burnFee, uint256 _ecosystemFee, uint256 _devFee, uint256 _feeDenominator		authroized modifier is detected. Authorized wallets can call this function.
setSellFees	uint256 _liquidityFee, uint256 _burnFee, uint256 _ecosystemFee, uint256 _devFee, uint256 _feeDenominator		authroized modifier is detected. Authorized wallets can call this function.
setLiquidityReceiver	address _autoLiquidityReceiver		authroized modifier is detected. Authorized wallets can call this function.
setEcoReceiver	address eco		authroized modifier is detected. Authorized wallets can call this function.
setDevFeeReceiver	address dev		authroized modifier is detected. Authorized wallets can call this function.
setPair	address pair, bool isPair		authroized modifier is detected. Authorized wallets can call this function.
mark	address add, bool set		authroized modifier is detected. Authorized wallets can call this function.
turnSecurity	bool state		authroized modifier is detected. Authorized wallets can call this function.
changeRouter	address r		authroized modifier is detected. Authorized wallets can call this function.
updateMainPair			authroized modifier is detected. Authorized wallets can call this function.

The functions listed above can be called by authorized users.

Liquidity Ownership – Locked / Unlocked

No locked liquidity information has been found.

This page will contain links to locked liquidity for the project if we are able to locate that information. Locked liquidity was not found at the time of the audit.

Contract Code Audit – Mint Functions

This Contract Cannot Mint New BIRB Tokens.

We do understand that sometimes mint functions are essential to the functionality of the project.

A mint function was not found in the contract code.

Contract Transaction Fees

At the time of Audit the transaction fees (“tax”) listed below are the fees associated with trading. These fees are taken from every buy and sell transaction unless otherwise stated.

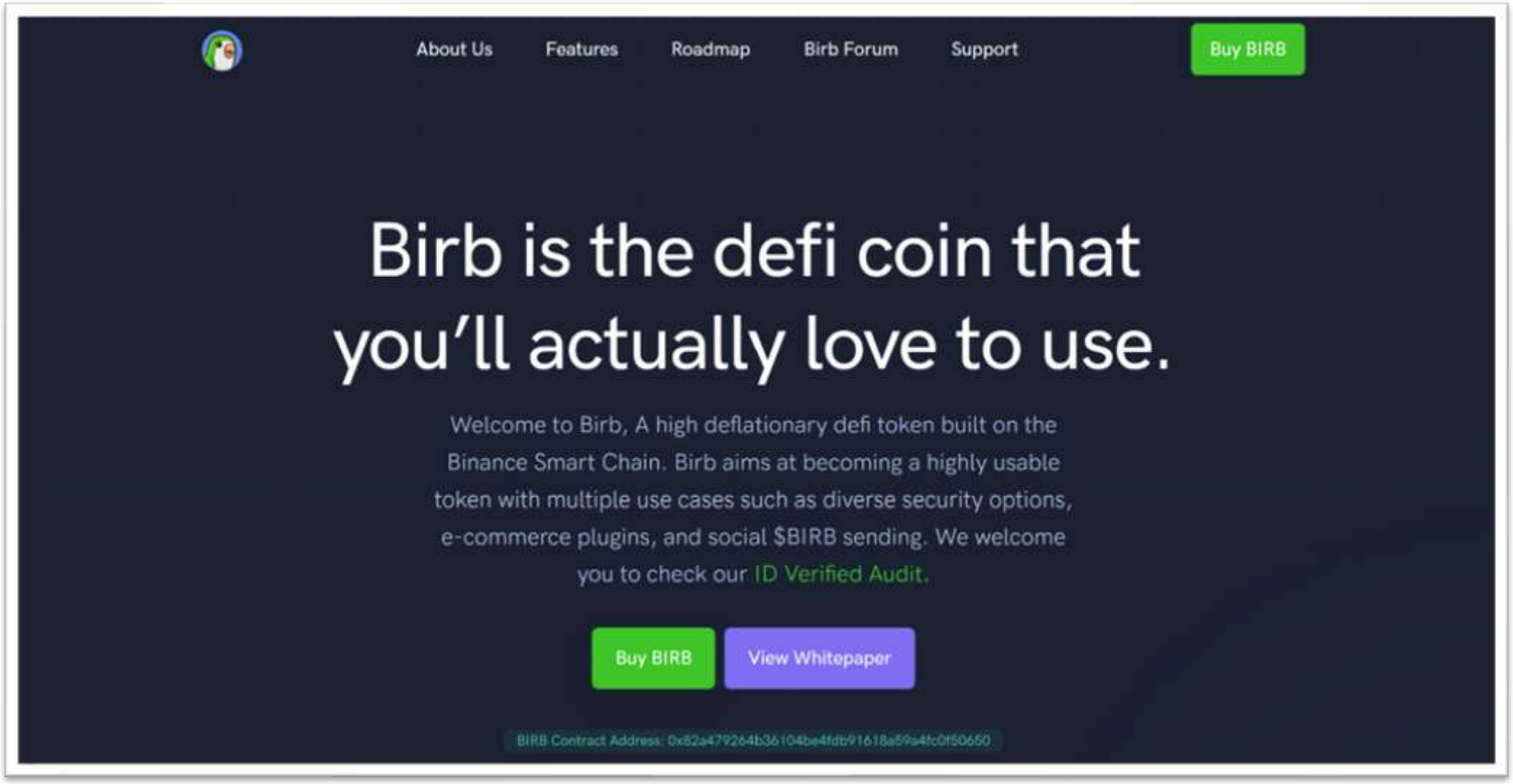
Maximum allowable fees are capped at 20%

```
function setFees(uint256 _liquidityFee, uint256 _burnFee, uint256 _ecosystemFee, uint256 _devFee, uint256 _feeDenominator) external authorized {
    liquidityFee = _liquidityFee;
    ecosystemFee = _ecosystemFee;
    devFee = _devFee;
    feeDenominator = _feeDenominator;
    uint256 totalFee = _liquidityFee + _burnFee + _ecosystemFee + _devFee;
    require(totalFee <= feeDenominator / 5, "Maximum fees allowed in this contract is 20%.");
}

function setSellFees(uint256 _liquidityFee, uint256 _burnFee, uint256 _ecosystemFee, uint256 _devFee, uint256 _feeDenominator) external authorized {
    liquidityFeeSell = _liquidityFee;
    ecosystemFeeSell = _ecosystemFee;
    devFeeSell = _devFee;
    feeDenominatorSell = _feeDenominator;
    uint256 totalFee = _liquidityFee + _burnFee + _ecosystemFee + _devFee;
    require(totalFee <= feeDenominatorSell / 5, "Maximum sale fees allowed in this contract is 20%.");
}
```

Website Part 1 – Overview

www.birb.com

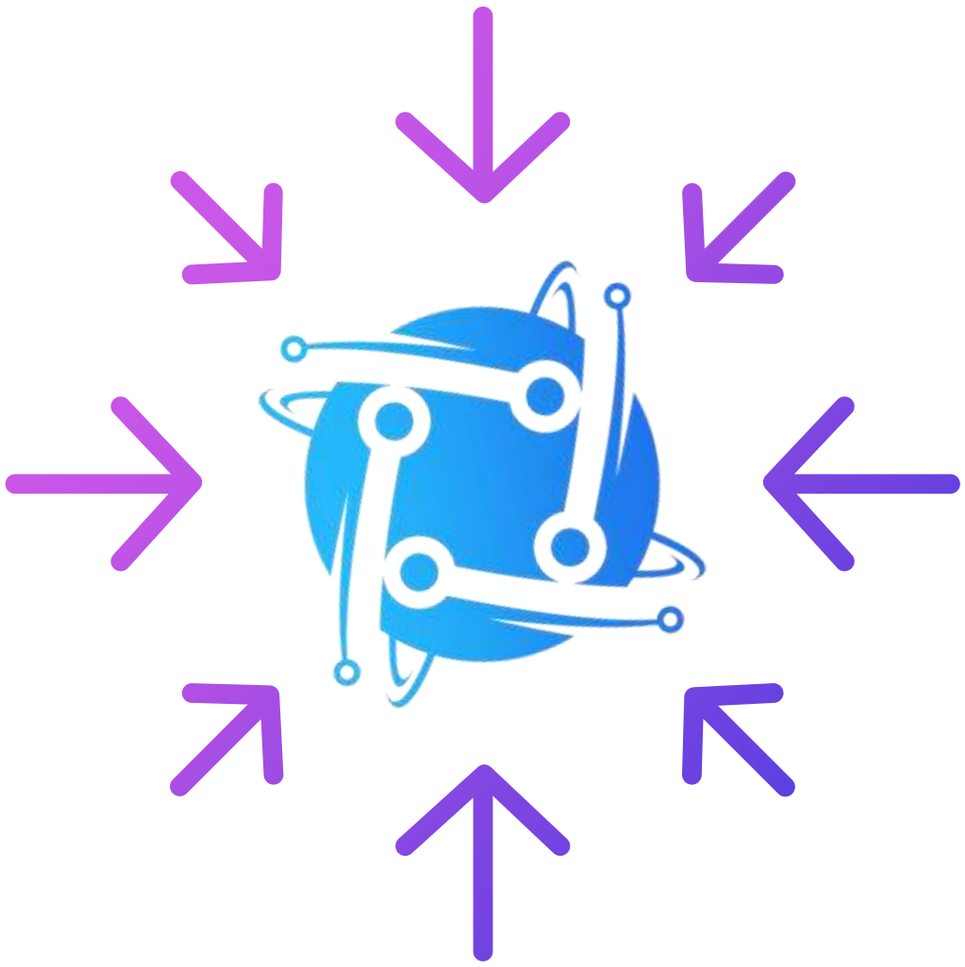


Above images are actual snapshots of the current live website of the project.

Website was registered on 11/15/2001, registration expires 11/15/2029

✓ This exceeds the 3 year minimum we like to see on new projects.

Website Part 2 – Checklist



- ✓ Mobile Friendly
- ✓ No JavaScript Errors
- ✓ Spell Check
- ✓ SSL Certificate

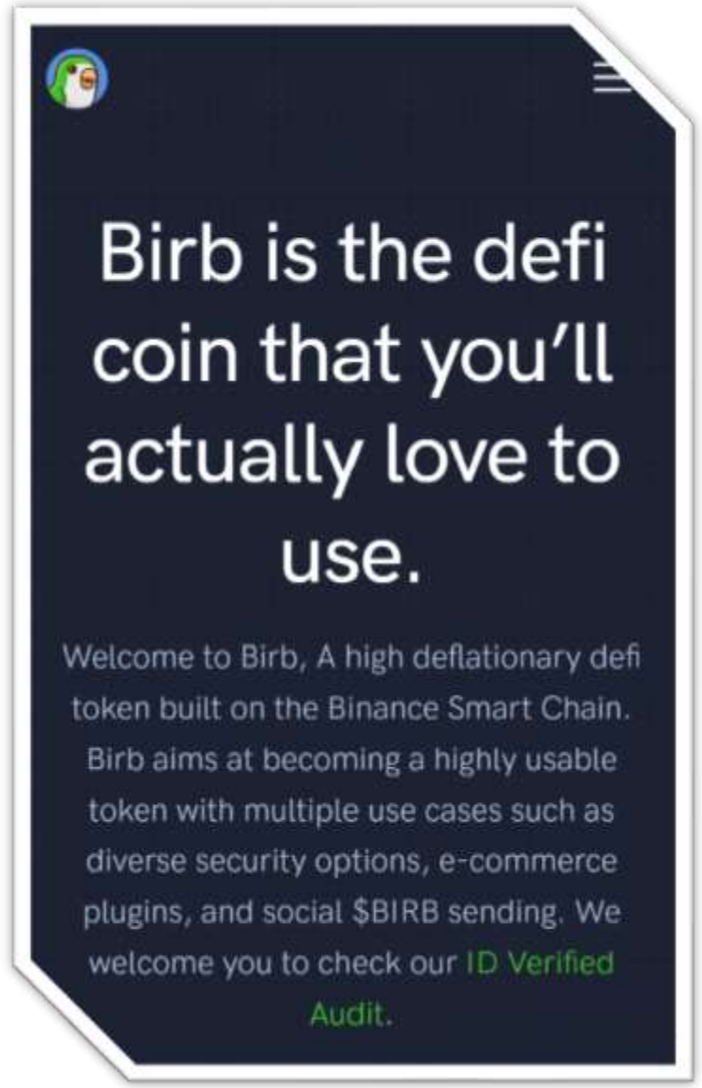
The website contained no JavaScript errors. No typos, or grammatical errors were present, and we found a valid SSL certificate allowing for access via https.

No additional issues were found on the website.

Website Part 3 – Responsive HTML5 & CSS3

No issues were found on the Mobile Friendly check for the website. All elements loaded properly and browser resize was not an issue. The team has put a considerable amount of thought and effort into making sure their website looks great on all screens.

No severe JavaScript errors were found. No issues with loading elements, code, or stylesheets.



Website Part 4 (GWS) – General Web Security

SSL CERTIFICATE

A valid SSL certificate was found. Details are as follows:

Offered to: *.birb.com

Issued by: E1

Valid Until: 06/17/2022

✓

CONTACT EMAIL

A valid contact email was found on the official website. Contact email is listed as shown below:

Contact

contact@birb.co

✓

SPAM / MALWARE / POPUPS

No malware found

No injected spam found

No internal server errors

No popups found

Domain is marked clean by Google, McAfee, Sucuri Labs, & ESET

✓

Social Media

We were able to locate a variety of Social Media networks for the project.

All links have been conveniently placed below.

Twitter Telegram Medium Instagram YouTube

✓ **At least 3 social media networks were found.**

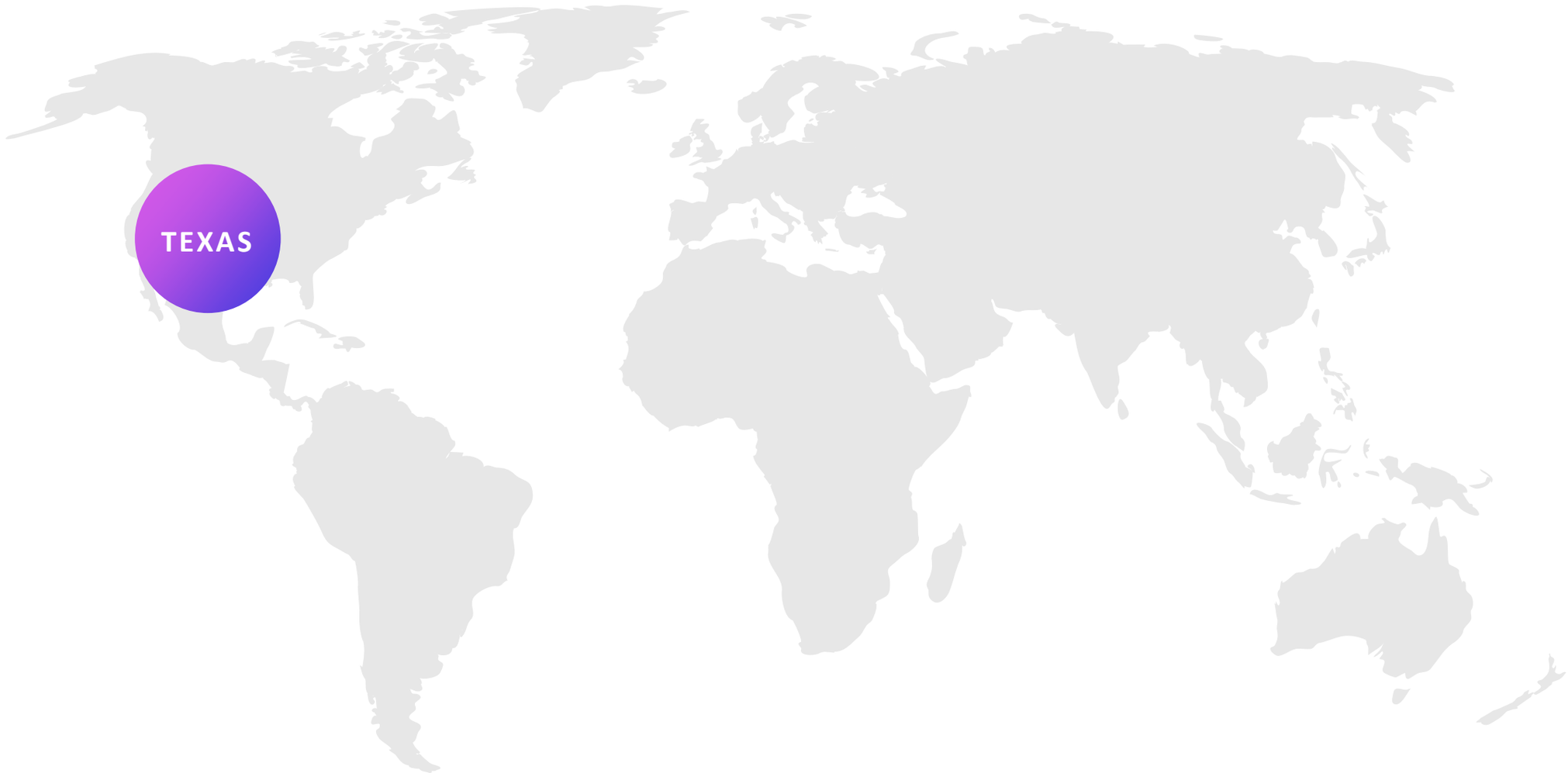
Top Token Holders

The entire supply was in a few wallets at the time of audit. We expect this to change as the project goes through initial distribution phases. Please use the link below to view the most up-to-date holder information.

Click here to view the most up-to-date list of holders

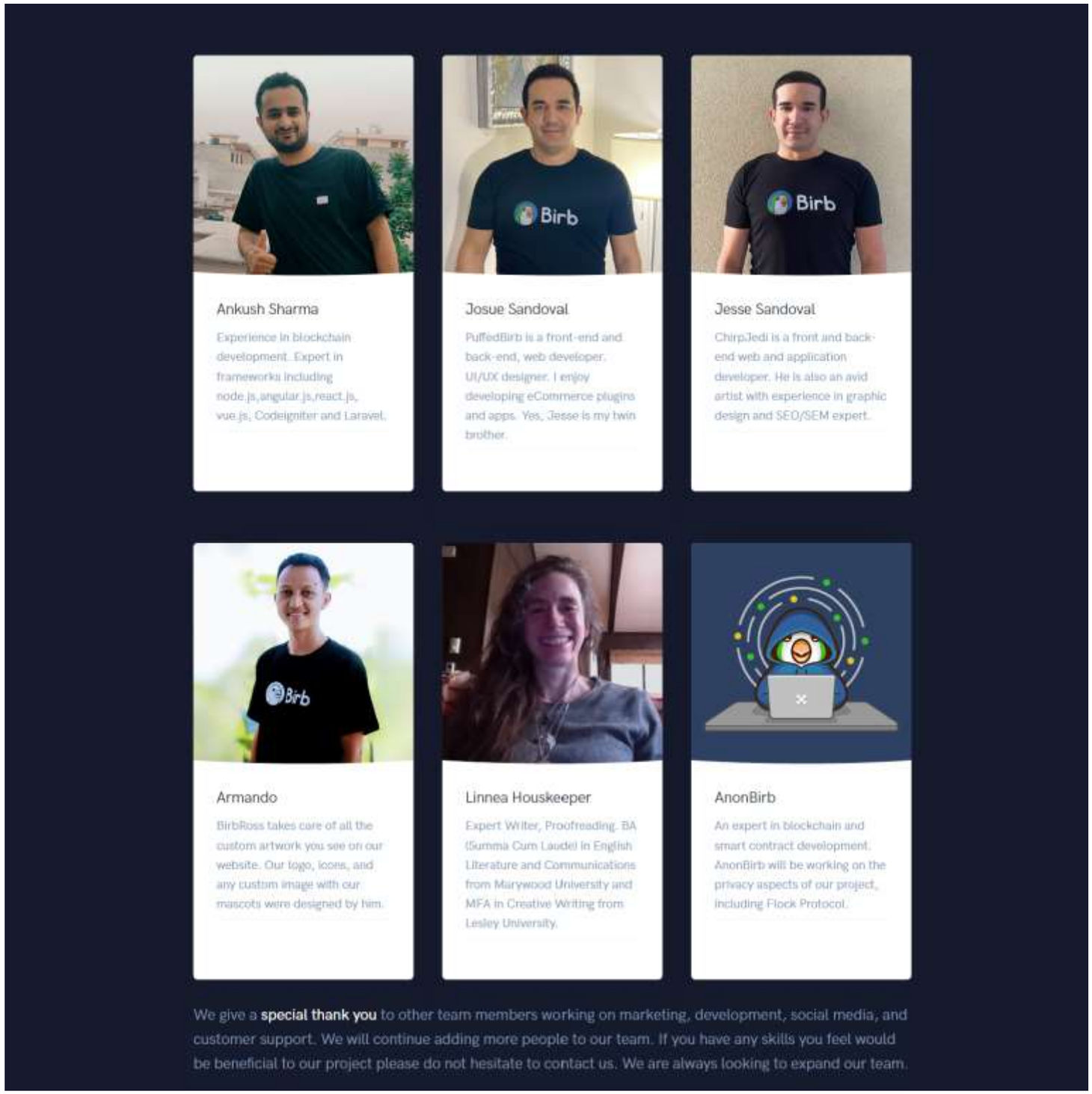
Location Audit

The primary location of the team is Texas, USA.



Team Overview

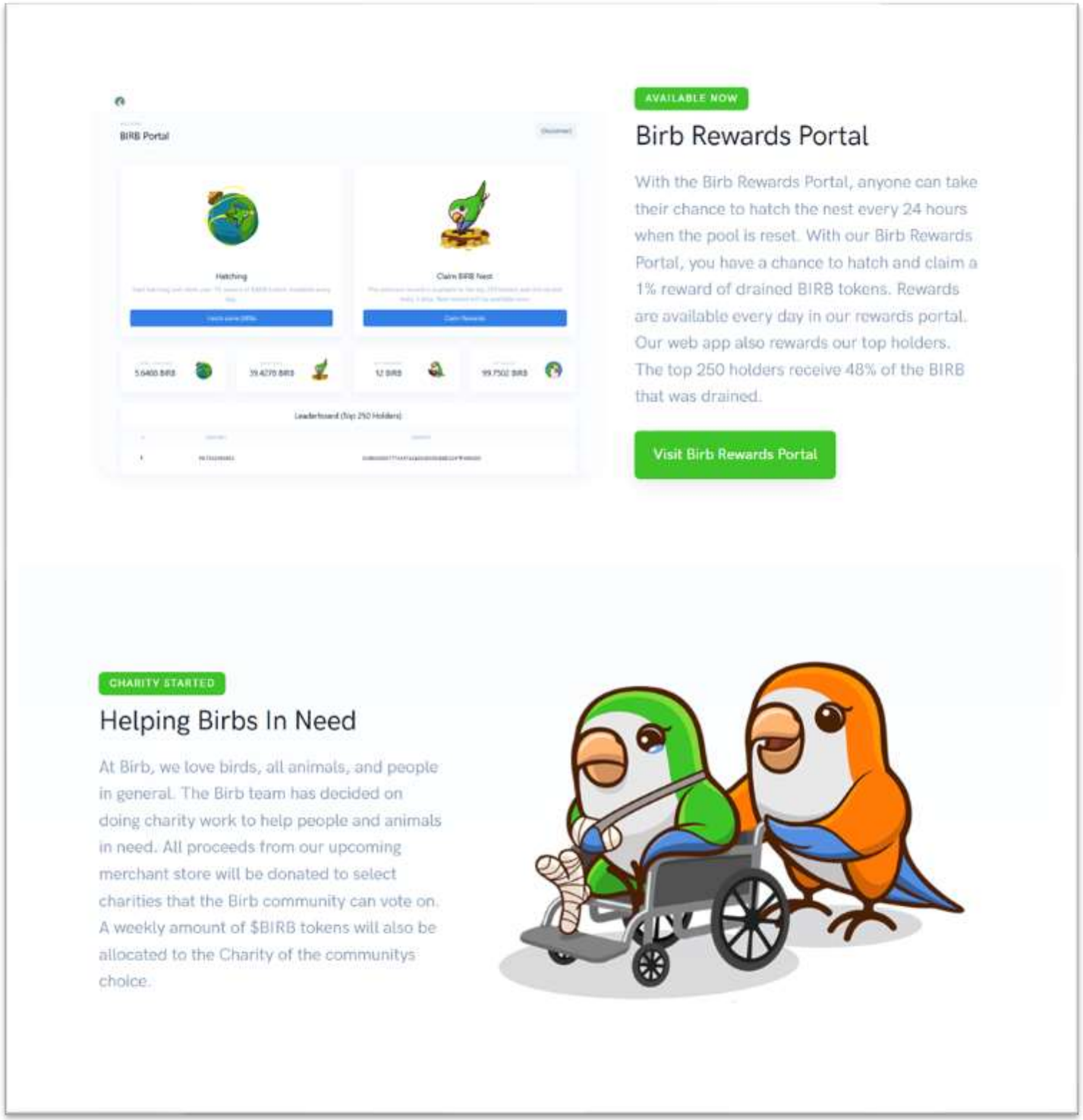
The following information about the team was found on the projects website.



✓ The two founders of this project has been DessertDoxxed with government issued ID.

Roadmap

A roadmap was found on the official website, we have conveniently placed it on this page for your viewing.



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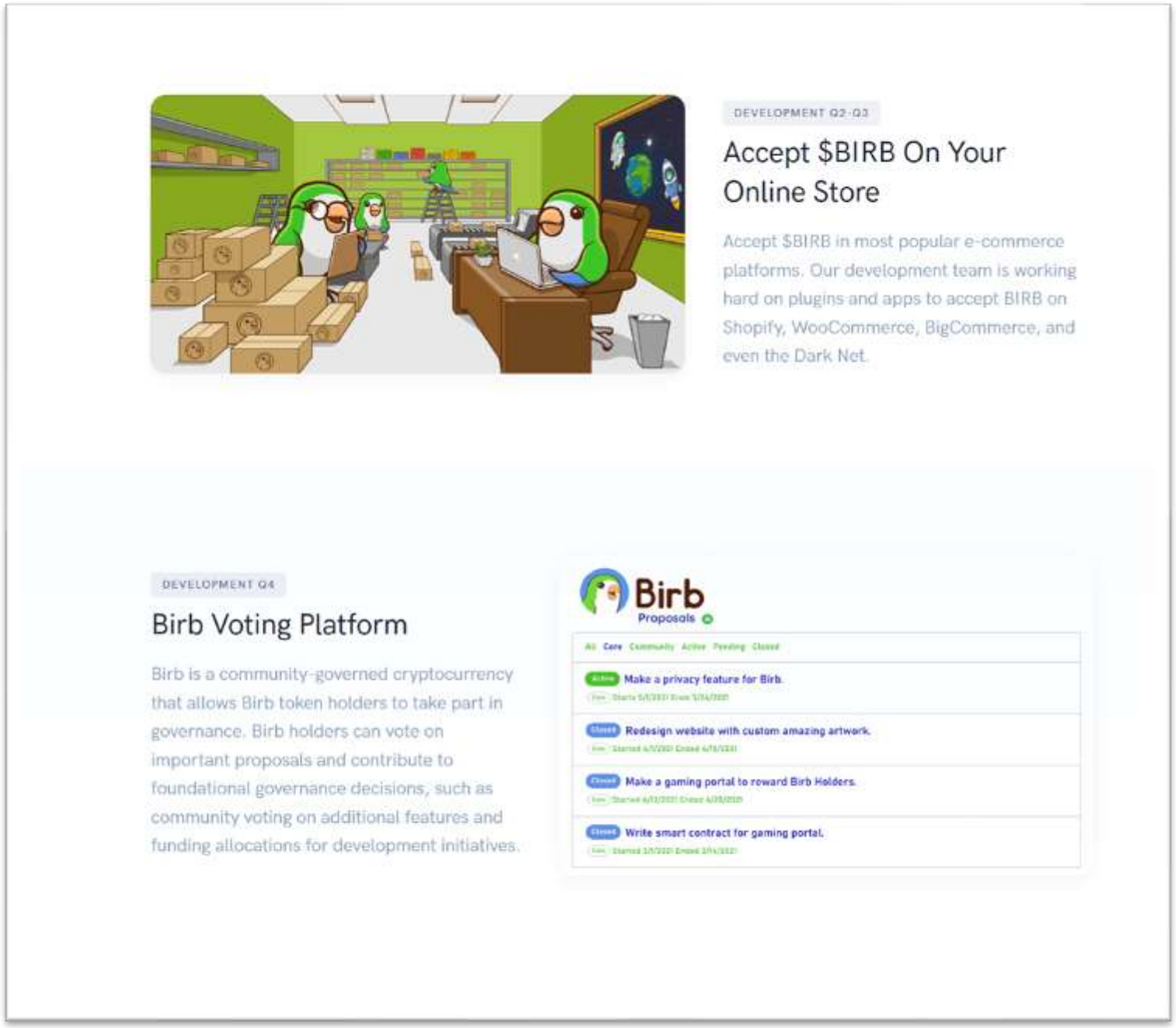

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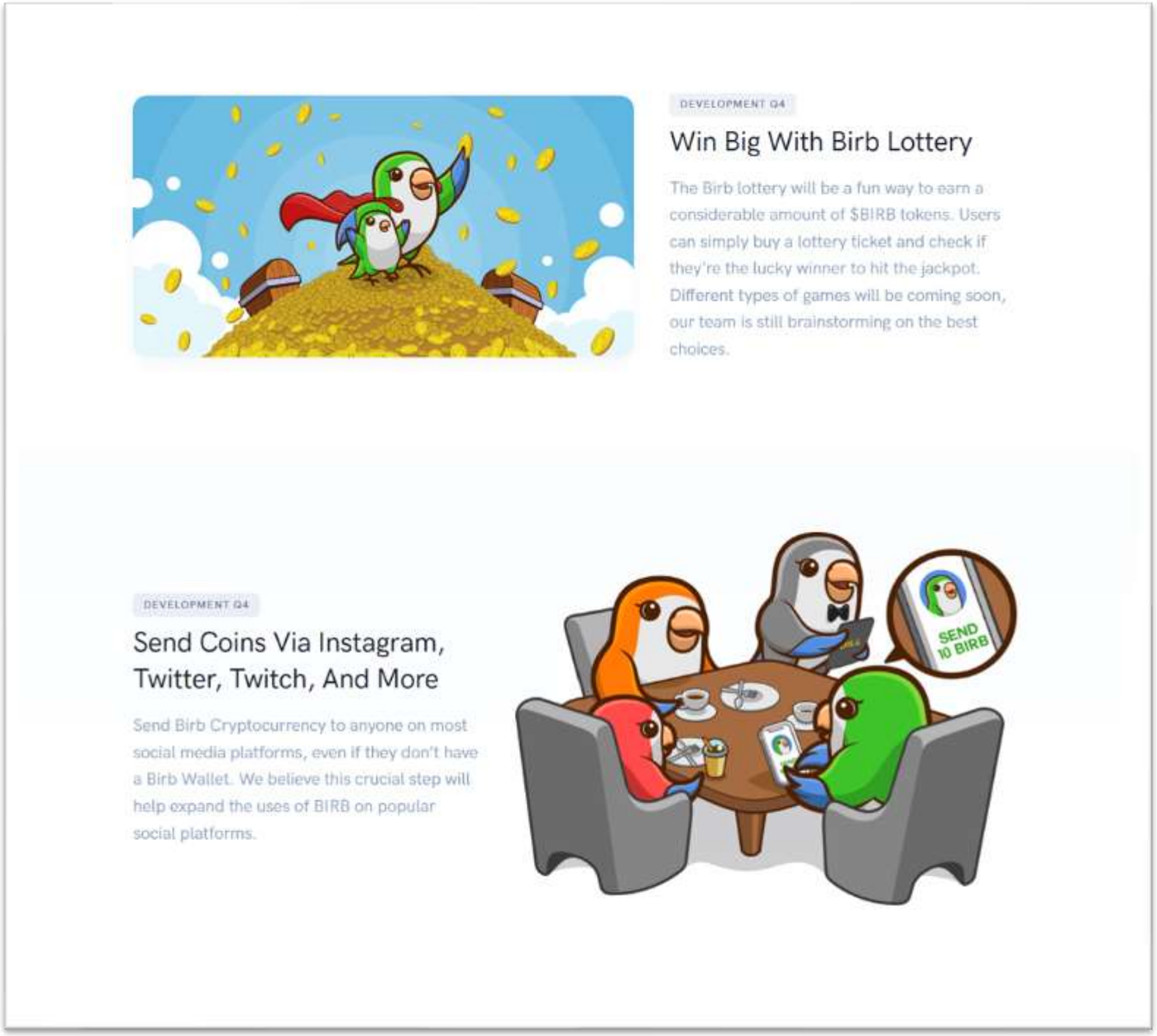

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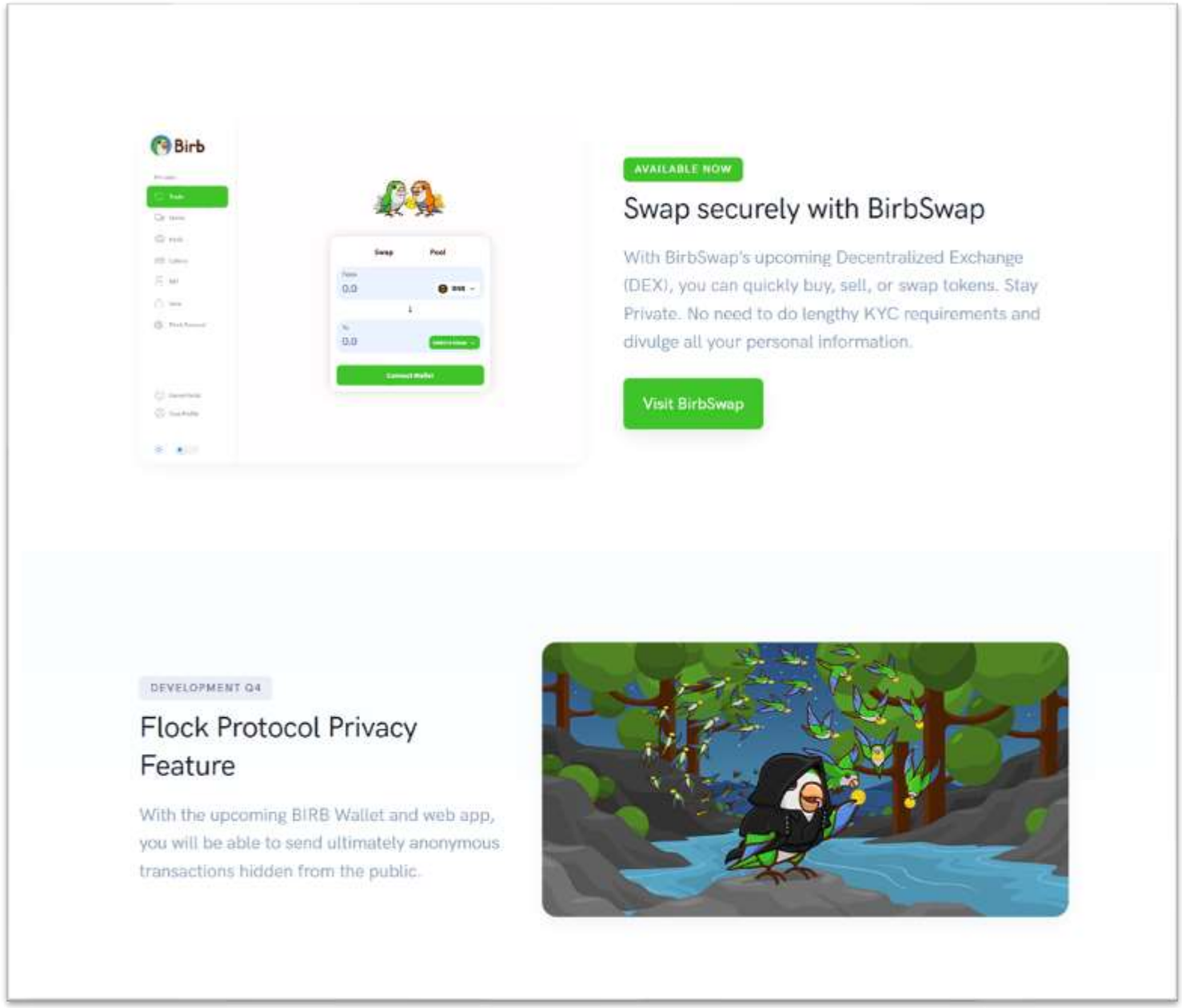

Disclaimer

The opinions expressed in this document are for general informational purposes only and are **not intended to provide specific advice or recommendations for any individual or on any specific investment**. It is only intended to provide education and public knowledge regarding projects. This audit is only applied to the type of auditing specified in this report and the scope of given in the results. Other unknown security vulnerabilities are beyond responsibility. Dessert Finance only issues this report based on the attacks or vulnerabilities that already existed or occurred before the issuance of this report. For the emergence of new attacks or vulnerabilities that exist or occur in the future, Dessert Finance lacks the capability to judge its possible impact on the security status of smart contracts, thus taking no responsibility for them. The smart contract analysis and other contents of this report are based solely on the documents and materials that the contract provider has provided to Dessert Finance or was publicly available before the issuance of this report (issuance of report recorded via block number on cover page), if the documents and materials provided by the contract provider are missing, tampered, deleted, concealed or reflected in a situation that is inconsistent with the actual situation, or if the documents and materials provided are changed after the issuance of this report, Dessert Finance assumes no responsibility for the resulting loss or adverse effects. Due to the technical limitations of any organization, this report conducted by Dessert Finance still has the possibility that the entire risk cannot be completely detected. Dessert Finance disclaims any liability for the resulting losses.

Dessert Finance provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Even projects with a low risk score have been known to pull liquidity, sell all team tokens, or exit-scam. Please exercise caution when dealing with any cryptocurrency related platforms.

The final interpretation of this statement belongs to Dessert Finance.

Dessert Finance highly advises against using cryptocurrencies as speculative investments and they should be used solely for the utility they aim to provide.

Thank You

DESSERT FINANCE PROJECT AUDIT HAS BEEN COMPLETED FOR BIRB (BIRB) AT BLOCK NUMBER: **19357395**

THIS AUDIT IS ONLY VALID IF VIEWED ON HTTPS://WWW.DESSERTSWAP.FINANCE

www.dessertswap.finance
https://t.me/dessertswap