```
*Submitted for verification at
BscScan.com on 2024-09-09
*/
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
```

pragma solidity ^0.8.0;

// File:
@openzeppelin/contracts/token/
ERC20/IERC20.sol

// OpenZeppelin Contracts (last updated v5.0.0) (token/ERC20/IERC20.sol)

pragma solidity ^0.8.20;

```
/**
* @dev Interface of the ERC20
standard as defined in the EIP.
*/
interface IERC20 {
  * @dev Emitted when `value`
tokens are moved from one
account ('from') to
  * another ('to').
  *
```

* Note that 'value' may be zero.

*/

event Transfer(address indexed from, address indexed to, uint256 value);

/**

- * @dev Emitted when the allowance of a `spender` for an `owner` is set by
- * a call to {approve}. `value` is the new allowance.

*/

event Approval(address indexed owner, address indexed spender,

```
uint256 value);
```

```
/**
```

* @dev Returns the value of tokens in existence.

*/

function totalSupply() external view returns (uint256);

```
/**
```

* @dev Returns the value of tokens owned by `account`.

```
*/
```

function balanceOf(address account) external view returns (uint256);

/**

* @dev Moves a `value` amount of tokens from the caller's account to `to`.

*

* Returns a boolean value indicating whether the operation succeeded.

*

* Emits a {Transfer} event.

*/

function transfer(address to, uint256 value) external returns (bool);

/**

- * @dev Returns the remaining number of tokens that `spender` will be
- * allowed to spend on behalf of `owner` through {transferFrom}.
 This is
 - * zero by default.

*

* This value changes when {approve} or {transferFrom} are

called.

*/

function allowance(address owner, address spender) external view returns (uint256);

/**

* @dev Sets a `value` amount of tokens as the allowance of `spender` over the

* caller's tokens.

*

* Returns a boolean value indicating whether the operation succeeded.

- * IMPORTANT: Beware that changing an allowance with this method brings the risk
- * that someone may use both the old and the new allowance by unfortunate
- * transaction ordering. One possible solution to mitigate this race
- * condition is to first reduce the spender's allowance to 0 and set the
 - * desired value afterwards:

https://github.com/ethereum/EIPs/issues/20#issuecomment-263524729

*

* Emits an {Approval} event.

*/

function approve(address spender, uint256 value) external returns (bool);

/**

* @dev Moves a `value` amount of tokens from `from` to `to` using the

* allowance mechanism. `value` is then deducted from the caller's

* allowance.

*

* Returns a boolean value indicating whether the operation succeeded.

*

* Emits a {Transfer} event.

*/

function transferFrom(address from, address to, uint256 value) external returns (bool);

}

// File: @openzeppelin/contracts/token/ ERC20/extensions/IERC20Metada ta.sol

// OpenZeppelin Contracts (last updated v5.0.0) (token/ERC20/extensions/IERC20 Metadata.sol)

pragma solidity ^0.8.20;

```
/**
```

* @dev Interface for the optional metadata functions from the ERC20 standard.

```
*/
```

interface IERC20Metadata is
IERC20 {

```
/**
```

* @dev Returns the name of the token.

*/

function name() external view returns (string memory);

```
* @dev Returns the symbol of
the token.
  */
 function symbol() external view
returns (string memory);
  * @dev Returns the decimals
places of the token.
  */
  function decimals() external
view returns (uint8);
```

```
// File:
@openzeppelin/contracts/utils/C
ontext.sol
```

// OpenZeppelin Contracts (last updated v5.0.1) (utils/Context.sol)

pragma solidity ^0.8.20;

/**

* @dev Provides information about the current execution

context, including the

- * sender of the transaction and its data. While these are generally available
- * via msg.sender and msg.data, they should not be accessed in such a direct
- * manner, since when dealing with meta-transactions the account sending and
- * paying for execution may not be the actual sender (as far as an application
 - * is concerned).

```
* This contract is only required for
intermediate, library-like
contracts.
*/
abstract contract Context {
  function _msgSender() internal
view virtual returns (address) {
    return msg.sender;
 }
```

```
function _msgData() internal view virtual returns (bytes calldata) {
    return msg.data;
```

```
}
```

```
function _contextSuffixLength()
internal view virtual returns
(uint256) {
    return 0;
// File:
```

@openzeppelin/contracts/interfa

ces/draft-IERC6093.sol

```
// OpenZeppelin Contracts (last updated v5.0.0) (interfaces/draft-IERC6093.sol) pragma solidity ^0.8.20;
```

```
/**
```

- * @dev Standard ERC20 Errors
- * Interface of the https://eips.ethereum.org/EIPS/eip-6093[ERC-6093] custom errors for ERC20 tokens.

```
*/
interface IERC20Errors {

/**
```

- * @dev Indicates an error related to the current 'balance' of a 'sender'. Used in transfers.
- * @param sender Address whose tokens are being transferred.
- * @param balance Current balance for the interacting account.
- * @param needed Minimum amount required to perform a transfer.

*/

error

ERC20InsufficientBalance(addres

s sender, uint256 balance, uint256 needed);

/**

* @dev Indicates a failure with the token `sender`. Used in transfers.

* @param sender Address whose tokens are being transferred.

*/

error

ERC20InvalidSender(address sender);

```
/**
```

- * @dev Indicates a failure with the token `receiver`. Used in transfers.
- * @param receiver Address to which tokens are being transferred.

*/

error

ERC20InvalidReceiver(address receiver);

/**

* @dev Indicates a failure with the `spender`'s `allowance`. Used

in transfers.

- * @param spender Address that may be allowed to operate on tokens without being their owner.
- * @param allowance Amount of tokens a `spender` is allowed to operate with.
- * @param needed Minimum amount required to perform a transfer.

*/

error

ERC20InsufficientAllowance(address spender, uint256 allowance, uint256 needed);

/**

- * @dev Indicates a failure with the `approver` of a token to be approved. Used in approvals.
- * @param approver Address initiating an approval operation.

*/

error

ERC20InvalidApprover(address approver);

/**

* @dev Indicates a failure with the `spender` to be approved. Used in approvals.

* @param spender Address that may be allowed to operate on tokens without being their owner.

```
*/
error
ERC20InvalidSpender(address spender);
}
```

/**

- * @dev Standard ERC721 Errors
- * Interface of the https://eips.ethereum.org/EIPS/ei

```
p-6093[ERC-6093] custom errors for ERC721 tokens.
```

```
*/
interface IERC721Errors {
   /**
```

- * @dev Indicates that an address can't be an owner. For example, `address(0)` is a forbidden owner in EIP-20.
 - * Used in balance queries.
- * @param owner Address of the current owner of a token.

*/

error

ERC721InvalidOwner(address

```
owner);
  * @dev Indicates a `tokenId`
whose 'owner' is the zero address.
  * @param tokenId Identifier
number of a token.
  */
 error
ERC721NonexistentToken(uint256
tokenId);
```

* @dev Indicates an error related to the ownership over a

particular token. Used in transfers.

- * @param sender Address whose tokens are being transferred.
- * @param tokenId Identifier number of a token.
- * @param owner Address of the current owner of a token.

*/

error

ERC721IncorrectOwner(address sender, uint256 tokenId, address owner);

```
/**
```

* @dev Indicates a failure with the token `sender`. Used in transfers.

* @param sender Address whose tokens are being transferred.

*/

error

ERC721InvalidSender(address sender);

/**

* @dev Indicates a failure with the token `receiver`. Used in

transfers.

* @param receiver Address to which tokens are being transferred.

*/

error

ERC721InvalidReceiver(address receiver);

/**

- * @dev Indicates a failure with the `operator`'s approval. Used in transfers.
- * @param operator Address that may be allowed to operate on

tokens without being their owner.

* @param tokenId Identifier number of a token.

*/

error

ERC721InsufficientApproval(addre ss operator, uint256 tokenId);

/**

- * @dev Indicates a failure with the `approver` of a token to be approved. Used in approvals.
- * @param approver Address initiating an approval operation.

error ERC721InvalidApprover(address approver);

/**

* @dev Indicates a failure with the `operator` to be approved. Used in approvals.

* @param operator Address that may be allowed to operate on tokens without being their owner.

*/

error

ERC721InvalidOperator(address operator);

```
}
```

```
/**
```

- * @dev Standard ERC1155 Errors
- * Interface of the https://eips.ethereum.org/EIPS/eip-6093[ERC-6093] custom errors for ERC1155 tokens.

```
*/
interface IERC1155Errors {

/**
```

* @dev Indicates an error related to the current 'balance' of a 'sender'. Used in transfers.

- * @param sender Address whose tokens are being transferred.
- * @param balance Current balance for the interacting account.
- * @param needed Minimum amount required to perform a transfer.
- * @param tokenId Identifier number of a token.

*/

error

ERC1155InsufficientBalance(addr

ess sender, uint256 balance, uint256 needed, uint256 tokenId);

/**

* @dev Indicates a failure with the token `sender`. Used in transfers.

* @param sender Address whose tokens are being transferred.

*/

error

ERC1155InvalidSender(address sender);

```
/**
```

* @dev Indicates a failure with the token `receiver`. Used in transfers.

* @param receiver Address to which tokens are being transferred.

*/

error

ERC1155InvalidReceiver(address receiver);

/**

* @dev Indicates a failure with the `operator`'s approval. Used in

transfers.

- * @param operator Address that may be allowed to operate on tokens without being their owner.
- * @param owner Address of the current owner of a token.

*/

error

ERC1155MissingApprovalForAll(ad dress operator, address owner);

/**

* @dev Indicates a failure with the `approver` of a token to be approved. Used in approvals. * @param approver Address initiating an approval operation.

*/

error

ERC1155InvalidApprover(address approver);

/**

- * @dev Indicates a failure with the `operator` to be approved. Used in approvals.
- * @param operator Address that may be allowed to operate on tokens without being their owner.

error ERC1155InvalidOperator(address operator);

/**

- * @dev Indicates an array length mismatch between ids and values in a safeBatchTransferFrom operation.
 - * Used in batch transfers.
- * @param idsLength Length of the array of token identifiers
- * @param valuesLength Length of the array of token amounts

```
error
ERC1155InvalidArrayLength(uint2
56 idsLength, uint256
valuesLength);
}
```

```
// File:
@openzeppelin/contracts/token/
ERC20/ERC20.sol
```

```
// OpenZeppelin Contracts (last updated v5.0.0) (token/ERC20/ERC20.sol)
```

pragma solidity ^0.8.20;

```
/**
```

* @dev Implementation of the {IERC20} interface.

*

* This implementation is agnostic to the way tokens are created. This means * that a supply mechanism has to be added in a derived contract using {_mint}.

*

* TIP: For a detailed writeup see our guide

*

https://forum.openzeppelin.com/t/how-to-implement-erc20-supply-mechanisms/226[How

* to implement supply mechanisms].

*

* The default value of {decimals} is 18. To change this, you should

override

* this function so it returns a different value.

- * We have followed general OpenZeppelin Contracts guidelines: functions revert
- * instead returning `false` on failure. This behavior is nonetheless
- * conventional and does not conflict with the expectations of ERC20
 - * applications.

- * Additionally, an {Approval} event is emitted on calls to {transferFrom}.
- * This allows applications to reconstruct the allowance for all accounts just
- * by listening to said events.
 Other implementations of the EIP
 may not emit
- * these events, as it isn't required by the specification.

*/

abstract contract ERC20 is Context, IERC20, IERC20Metadata, IERC20Errors {

mapping(address account => uint256) private _balances;

mapping(address account =>
mapping(address spender =>
uint256)) private _allowances;

uint256 private _totalSupply;

string private _name; string private _symbol;

/**

* @dev Sets the values for {name} and {symbol}. * * All two of these values are immutable: they can only be set once during * construction. */ constructor(string memory

```
constructor(string memory
name_, string memory symbol_) {
    _name = name_;
    _symbol = symbol_;
}
```

```
* @dev Returns the name of the
token.
 function name() public view
virtual returns (string memory) {
    return _name;
 }
  * @dev Returns the symbol of
the token, usually a shorter
version of the
  * name.
```

function symbol() public view
virtual returns (string memory) {
 return _symbol;
}

/**

- * @dev Returns the number of decimals used to get its user representation.
- * For example, if `decimals` equals `2`, a balance of `505` tokens should
- * be displayed to a user as `5.05` (`505 / 10 ** 2`).

- * Tokens usually opt for a value of 18, imitating the relationship between
- * Ether and Wei. This is the default value returned by this function, unless
 - * it's overridden.

- * NOTE: This information is only used for _display_ purposes: it in
- * no way affects any of the arithmetic of the contract, including

```
* {IERC20-balanceOf} and
{IERC20-transfer}.
  */
  function decimals() public view
virtual returns (uint8) {
    return 18;
  /**
  * @dev See {IERC20-
totalSupply}.
  */
  function totalSupply() public
view virtual returns (uint256) {
```

```
return _totalSupply;
 /**
  * @dev See {IERC20-
balanceOf }.
 function balanceOf(address
account) public view virtual
returns (uint256) {
    return _balances[account];
 }
```

```
* @dev See {IERC20-transfer}.*
```

* Requirements:

*

- * `to` cannot be the zero address.
- * the caller must have a balance of at least `value`.

*/

function transfer(address to, uint256 value) public virtual returns (bool) {

address owner = _msgSender();

```
_transfer(owner, to, value);
    return true;
  * @dev See {IERC20-allowance}.
  */
 function allowance(address
owner, address spender) public
view virtual returns (uint256) {
    return _allowances[owner]
[spender];
```

/**

* @dev See {IERC20-approve}.

*

- * NOTE: If `value` is the maximum `uint256`, the allowance is not updated on
- * `transferFrom`. This is semantically equivalent to an infinite approval.

*

* Requirements:

*

* - `spender` cannot be the zero address.

```
*/
```

```
function approve(address
spender, uint256 value) public
virtual returns (bool) {
   address owner =
_msgSender();
   _approve(owner, spender,
value);
    return true;
 }
  * @dev See {IERC20-
transferFrom}.
```

* Emits an {Approval} event indicating the updated allowance. This is not

* required by the EIP. See the note at the beginning of {ERC20}.

*

* NOTE: Does not update the allowance if the current allowance

* is the maximum `uint256`.

*

* Requirements:

*

* - `from` and `to` cannot be the

zero address.

- * `from` must have a balance of at least `value`.
- * the caller must have allowance for ``from``'s tokens of at least
 - * 'value'.

*/

function transferFrom(address from, address to, uint256 value) public virtual returns (bool) {

address spender = _msgSender();

_spendAllowance(from, spender, value);

```
_transfer(from, to, value);
return true;
}
```

/**

* @dev Moves a `value` amount of tokens from `from` to `to`.

- * This internal function is equivalent to {transfer}, and can be used to
- * e.g. implement automatic token fees, slashing mechanisms, etc.

* Emits a {Transfer} event.

*

* NOTE: This function is not virtual, {_update} should be overridden instead.

*/

function _transfer(address from, address to, uint256 value) internal {

if (from == address(0)) {

revert

ERC20InvalidSender(address(0));

}

```
if (to == address(0)) {
      revert
ERC20InvalidReceiver(address(0))
    update(from, to, value);
 /**
```

* @dev Transfers a `value` amount of tokens from `from` to `to`, or alternatively mints (or burns) if `from`

* (or `to`) is the zero address. All customizations to transfers,

```
mints, and burns should be done
by overriding
  * this function.
  *
  * Emits a {Transfer} event.
  */
  function _update(address from,
address to, uint256 value) internal
virtual {
    if (from == address(0)) {
      // Overflow check required:
The rest of the code assumes that
totalSupply never overflows
      _totalSupply += value;
    } else {
```

```
uint256 fromBalance =
_balances[from];
     if (fromBalance < value) {
       revert
ERC20InsufficientBalance(from,
fromBalance, value);
     unchecked {
       // Overflow not possible:
value <= fromBalance <=
totalSupply.
       _balances[from] =
fromBalance - value;
```

```
if (to == address(0)) {
      unchecked {
        // Overflow not possible:
value <= totalSupply or value <=
fromBalance <= totalSupply.
        _totalSupply -= value;
      }
    } else {
      unchecked {
        // Overflow not possible:
balance + value is at most
totalSupply, which we know fits
into a uint256.
```

```
_balances[to] += value;
   emit Transfer(from, to, value);
 }
  * @dev Creates a `value`
amount of tokens and assigns
them to `account`, by transferring
it from address(0).
  * Relies on the `_update`
mechanism
```

* Emits a {Transfer} event with `from` set to the zero address.

*

* NOTE: This function is not virtual, {_update} should be overridden instead.

*/

function_mint(address account, uint256 value) internal {

if (account == address(0)) {

revert

ERC20InvalidReceiver(address(0))

,

}

```
_update(address(0), account,
value);
  /**
  * @dev Destroys a `value`
amount of tokens from 'account',
lowering the total supply.
  * Relies on the `_update`
mechanism.
  *
```

* Emits a {Transfer} event with 'to' set to the zero address.

```
* NOTE: This function is not
virtual, {_update} should be
overridden instead
 function_burn(address account,
uint256 value) internal {
   if (account == address(0)) {
      revert
ERC20InvalidSender(address(0));
    _update(account, address(0),
value);
 }
```

* @dev Sets `value` as the allowance of `spender` over the `owner` s tokens.

*

- * This internal function is equivalent to `approve`, and can be used to
- * e.g. set automatic allowances for certain subsystems, etc.

*

* Emits an {Approval} event.

*

* Requirements:

- * `owner` cannot be the zero address.
- * `spender` cannot be the zero address.

*

* Overrides to this logic should be done to the variant with an additional `bool emitEvent` argument.

*/

function _approve(address owner, address spender, uint256 value) internal {

```
_approve(owner, spender, value, true);
}
```

/**

* @dev Variant of {_approve} with an optional flag to enable or disable the {Approval} event.

- * By default (when calling {_approve}) the flag is set to true. On the other hand, approval changes made by
- * `_spendAllowance` during the `transferFrom` operation set the

flag to false. This saves gas by not emitting any

* `Approval` event during `transferFrom` operations.

*

- * Anyone who wishes to continue emitting `Approval` events on the `transferFrom` operation can force the flag to
- * true using the following override:

* '''

* function _approve(address owner, address spender, uint256

```
value, bool) internal virtual
override {
      super._approve(owner,
spender, value, true);
  * }
  *
  * Requirements are the same as
{_approve}.
  */
  function _approve(address
owner, address spender, uint256
value, bool emitEvent) internal
virtual {
```

if (owner == address(0)) {

```
revert
ERC20InvalidApprover(address(0)
);
   if (spender == address(0)) {
     revert
ERC20InvalidSpender(address(0))
    _allowances[owner][spender]
= value;
   if (emitEvent) {
     emit Approval(owner,
spender, value);
```

/**

* @dev Updates `owner` s allowance for `spender` based on spent `value`.

*

- * Does not update the allowance value in case of infinite allowance.
- * Revert if not enough allowance is available.

*

* Does not emit an {Approval} event.

```
*/
```

function
_spendAllowance(address owner,
address spender, uint256 value)
internal virtual {
 uint256 currentAllowance =
allowance(owner, spender);

if (currentAllowance !=
type(uint256).max) {

if (currentAllowance < value)

revert

ERC20InsufficientAllowance(spender, currentAllowance, value);

}

```
unchecked {
       _approve(owner, spender,
currentAllowance - value, false);
// File:
@openzeppelin/contracts/access/
Ownable.sol
```

// OpenZeppelin Contracts (last updated v5.0.0) (access/Ownable.sol)

pragma solidity ^0.8.20;

/**

- * @dev Contract module which provides a basic access control mechanism, where
- * there is an account (an owner) that can be granted exclusive access to
 - * specific functions.

- * The initial owner is set to the address provided by the deployer. This can
- * later be changed with {transferOwnership}.

*

- * This module is used through inheritance. It will make available the modifier
- * `onlyOwner`, which can be applied to your functions to restrict their use to
 - * the owner.

*/

```
abstract contract Ownable is
Context {
 address private _owner;
 /**
  * @dev The caller account is not
authorized to perform an
operation.
  */
 error
OwnableUnauthorizedAccount(ad
dress account);
```

* @dev The owner is not a valid owner account. (eg. `address(O)`)

*/
error

OwnableInvalidOwner(address owner);

event

OwnershipTransferred(address indexed previousOwner, address indexed newOwner);

/**

* @dev Initializes the contract setting the address provided by

```
the deployer as the initial owner.
  constructor(address
initialOwner) {
   if (initialOwner == address(0))
      revert
OwnableInvalidOwner(address(0))
_transferOwnership(initialOwner);
```

```
* @dev Throws if called by any
account other than the owner.
  */
  modifier onlyOwner() {
   _checkOwner();
  * @dev Returns the address of
the current owner.
 function owner() public view
virtual returns (address) {
```

```
return _owner;
 /**
  * @dev Throws if the sender is
not the owner.
 function _checkOwner() internal
view virtual {
   if (owner() != _msgSender()) {
      revert
OwnableUnauthorizedAccount(_m
sgSender());
```

/**

- * @dev Leaves the contract without owner. It will not be possible to call
- * `onlyOwner` functions. Can only be called by the current owner.

*

- * NOTE: Renouncing ownership will leave the contract without an owner,
- * thereby disabling any functionality that is only available

to the owner. function renounceOwnership() public virtual onlyOwner { _transferOwnership(address(0)); } **/**** * @dev Transfers ownership of the contract to a new account ('newOwner').

* Can only be called by the current owner.

*/

```
function
transferOwnership(address
newOwner) public virtual
onlyOwner {
   if (newOwner == address(0)) {
     revert
OwnableInvalidOwner(address(0))
_transferOwnership(newOwner);
 }
```

```
* @dev Transfers ownership of
the contract to a new account
('newOwner').
```

* Internal function without access restriction.

```
*/
 function
_transferOwnership(address
newOwner) internal virtual {
   address oldOwner = _owner;
   _owner = newOwner;
   emit
OwnershipTransferred(oldOwner,
newOwner);
```

}

```
}
```

// File:
@openzeppelin/contracts/securit
y/Pausable.sol

// OpenZeppelin Contracts (last updated v4.7.0) (security/Pausable.sol)

pragma solidity ^0.8.0;

- * @dev Contract module which allows children to implement an emergency stop
- * mechanism that can be triggered by an authorized account.

*

- * This module is used through inheritance. It will make available the
- * modifiers `whenNotPaused` and `whenPaused`, which can be applied to

- * the functions of your contract.

 Note that they will not be pausable by
- * simply including this module, only once the modifiers are put in place.

*/

abstract contract Pausable is Context {

/**

* @dev Emitted when the pause is triggered by `account`.

*/

event Paused(address account);

```
* @dev Emitted when the pause
is lifted by 'account'.
  */
  event Unpaused(address
account);
  bool private _paused;
  * @dev Initializes the contract
in unpaused state.
 constructor() {
```

```
_paused = false;
 /**
  * @dev Modifier to make a
function callable only when the
contract is not paused.
  *
  * Requirements:
  *
  * - The contract must not be
paused.
  modifier whenNotPaused() {
```

```
_requireNotPaused();
  * @dev Modifier to make a
function callable only when the
contract is paused.
  *
  * Requirements:
  *
  * - The contract must be
paused.
```

```
modifier whenPaused() {
   _requirePaused();
  * @dev Returns true if the
contract is paused, and false
otherwise.
  */
 function paused() public view
virtual returns (bool) {
    return _paused;
```

```
/**
  * @dev Throws if the contract is
paused.
  */
 function _requireNotPaused()
internal view virtual {
    require(!paused(), "Pausable:
paused");
  * @dev Throws if the contract is
```

not paused.

```
function requirePaused()
internal view virtual {
    require(paused(), "Pausable:
not paused");
 /**
  * @dev Triggers stopped state.
  *
  * Requirements:
  *
  * - The contract must not be
paused.
```

```
function _pause() internal
virtual whenNotPaused {
   _paused = true;
   emit Paused(_msgSender());
 /**
  * @dev Returns to normal state.
  *
  * Requirements:
  *
  * - The contract must be
paused.
```

```
function _unpause() internal
virtual whenPaused {
   _paused = false;
    emit
Unpaused(_msgSender());
 }
// File: GBDCoin.sol
```

pragma solidity ^0.8.0;

```
contract GBDCoin is ERC20,
Ownable, Pausable {
 string private constant _name =
"Global Business Development";
 string private constant _symbol
= "GBD";
  uint8 private constant _decimals
= 18;
  uint256 private _totalSupply =
21_000_000 *
10**uint256(_decimals); //
Example initial supply
```

// Corrected addresses with proper checksum

address public constant WBTC = 0x58730ae0FAA10d73b0cDdb5e7 b87C3594f7a20CB;

address public constant
CLASSIC_USDC =
0x7DB54758503c25200B331131C
219acD64CFa74c8;

address public constant BTCBR

Ox58730ae0FAA10d73b0cDdb5e7b87C3594f7a20CB;

address public constant BGEO = 0x58730ae0FAA10d73b0cDdb5e7

b87C3594f7a20CB;

address public constant BLK = 0xc0E6AD13BD58413Ed308729b6 88d601243E1CF77;

address public constant TRX = 0x9Dab87a99c6b5c516332894331 A442Ea2890126C;

address public constant
BABY_DOGE_ZILLA =
0x3749DB761943192C29E6931AC
2F4ce8107Fe4C17;

mapping(address => uint256)
public backingTokens;

bool public transfersEnabled =
true;

bool public swappingEnabled =
true;

constructor(address
initialOwner) ERC20(_name,
_symbol) Ownable(initialOwner) {
 _mint(msg.sender,
_totalSupply);

// Initialize backing tokens with updated CLASSIC_USDC amount

```
backingTokens[CLASSIC_USDC] =
100_000_000 * 10**18; //
Updated Amount
```

backingTokens[WBTC] =
200_000 * 10**8; // Amount with
decimals

```
backingTokens[BTCBR] =
1_000_000_000_000 * 10**18; //
Amount with decimals
```

backingTokens[BGEO] =
20_000_000_000_000_000;
// Amount with decimals

backingTokens[BLK] = 2_000_000_000 * 10**18; // Amount with decimals

```
backingTokens[TRX] = 100_000_000_000 * 10**18; // Amount with decimals
```

```
backingTokens[BABY_DOGE_ZILLA
] =
25_000_000_000_000_000
_000_000; // Amount with
decimals
}
```

// Functions

function enableTransfers() external onlyOwner {

```
transfersEnabled = true;
 function disableTransfers()
external onlyOwner {
   transfersEnabled = false;
 }
 function enableSwapping()
external onlyOwner {
   swappingEnabled = true;
 }
```

```
function disableSwapping()
external onlyOwner {
    swappingEnabled = false;
}
```

```
function rebase(uint256
percentage) external onlyOwner {
   require(percentage > 0,
"Percentage must be positive");
   uint256 rebaseAmount =
(_totalSupply * percentage) / 100;
   _mint(msg.sender,
rebaseAmount);
   _totalSupply +=
rebaseAmount;
```

```
}
```

```
function
distributeRewards(address[]
calldata recipients, uint256
rewardAmount) external
onlyOwner {
   for (uint256 i = 0; i <
recipients.length; i++) {
     _transfer(msg.sender,
recipients[i], rewardAmount);
```

```
function changeSupply(uint256
newSupply) external onlyOwner {
    _totalSupply = newSupply;
}
```

```
function addLiquidity(uint256 amount) external onlyOwner {
    // Placeholder for adding liquidity
}
```

function rewardSocialPromoters(address[] calldata promoters, uint256

```
rewardAmount) external
onlyOwner {
   for (uint256 i = 0; i <
promoters.length; i++) {
     _transfer(msg.sender,
promoters[i], rewardAmount);
 function pause() external
onlyOwner {
   _pause();
```

```
function unpause() external
onlyOwner {
   _unpause();
 function transfer(address
recipient, uint256 amount) public
override when Not Paused returns
(bool) {
    require(transfersEnabled,
"Transfers are currently
disabled");
    return
super.transfer(recipient, amount);
```

```
function transferFrom(address
sender, address recipient, uint256
amount) public override
whenNotPaused returns (bool) {
   require(transfersEnabled,
"Transfers are currently
disabled");
   return
super.transferFrom(sender,
recipient, amount);
```