

```
// SPDX-License-Identifier: UNLICENSED
```

```
pragma solidity >=0.8.0;
```

```
contract bank_account {
```

```
    mapping(address => uint256) public user_balance;
```

```
    mapping(address => bool) public is_user;
```

```
    function create_account() public {
```

```
        require(is_user[msg.sender] == false, "Account already exist");
```

```
        is_user[msg.sender] = true;
```

```
    }
```

```
    function deposit() public payable {
```

```
        require(is_user[msg.sender], "User Account Not Found");
```

```
        user_balance[msg.sender] += msg.value;
```

```
    }
```

```
    function withdraw(uint256 amount) public {
```

```
        require(is_user[msg.sender], "User Account Not Found");
```

```
        require(user_balance[msg.sender] >= amount, "You don't have enough balance to withdraw");
```

```
        require(payable(msg.sender).send(amount));
```

```
        user_balance[msg.sender] -= amount;
```

```
    }
```

```
    function show_balance(address user) public view returns (uint256) {
```

```
        require(is_user[user], "User Account Not Found");
```

```
        return (user_balance[user]);
```

```
    }
```

```
}
```