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File Edit Selection View Go Debug Terminal Help README.md - HadeelFlightSurety - Visual Studio Code

3 FlightSurety is a sample application project for Udacity's Blockchain course.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: powershell

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Hadeel\Desktop\HadeelFlightSurety> truffle compile

Compiling your contracts...
=====
> Compiling .\contracts\FlightSuretyData.sol
> Compiling .\contracts\SafeMath.sol

> compilation warnings encountered:

./C:/Users/Hadeel/Desktop/HadeelFlightSurety/contracts/FlightSuretyData.sol:160:9: Warning: Unused local variable.
    address insuree = insuranceToCredit.passenger;
    ^~~~~~
./C:/Users/Hadeel/Desktop/HadeelFlightSurety/contracts/FlightSuretyData.sol:169:40: Warning: Unused function parameter. Remove or comment out the variable name to silence this warning.
    function pay(bytes32 insuranceKey, address payable airline2, address payable insuree) external payable requireIsOperational(
    ^~~~~~
./C:/Users/Hadeel/Desktop/HadeelFlightSurety/contracts/FlightSuretyData.sol:27:5: Warning: Function state mutability can be restricted to view
    function getAirlinesCounter() external returns(uint){ //DONE :)
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> Artifacts written to C:\Users\Hadeel\Desktop\HadeelFlightSurety\build\contracts
> Compiled successfully using:
  - solc: 0.5.0+commit.1d4f565a.Emscripten.clang

PS C:\Users\Hadeel\Desktop\HadeelFlightSurety>
```

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- solc: 0.5.0+commit.1d4f565a.Emscripten.clang
PS C:\Users\Hadeel\Desktop\HadeelFlightSurety> truffle migrate --reset
Compiling your contracts...
> Compiling .\contracts\SafeMath.sol
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master* 0 0 0 0 Go Live Ln 25, Col 34 Spaces: 4 UTF-8 LF Markdown 1
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3 FlightSurety is a sample application project for Udacity's Blockchain course.
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: powershell
> account: 0x533c0170f55e27a7Eba6A6eff26d8635EDa1dc56
> balance: 99.94359166
> gas used: 2493475
> gas price: 20 gwei
> value sent: 0 ETH
> total cost: 0.0498695 ETH
Deploying 'FlightSuretyApp'
> transaction hash: 0x3f7cd099d5e4bea43842fb065299c2c6df562bab7d7070fc42743666aac17ea1
> Blocks: 0
> contract address: 0x2642fc1C816a64f6Fde84e5B38254Aba8f90EC27
> block number: 4
> block timestamp: 1556417228
> account: 0x533c0170f55e27a7Eba6A6eff26d8635EDa1dc56
> balance: 99.89141198
> gas used: 2608084
> gas price: 20 gwei
> value sent: 0 ETH
> total cost: 0.05217968 ETH
> Saving migration to chain.
> Saving artifacts
> Total cost: 0.10204918 ETH
Summary
> Total deployments: 3
> Final cost: 0.10774734 ETH
PS C:\Users\Hadeel\Desktop\HadeelFlightSurety>
```

```
9 - 'truffle test ./test/flightSurety.js'
10 - 'truffle test ./test/oracles.js'
```

PS C:\Users\Hadeel\Desktop\HadeelFlightSurety> truffle test ./test/flightSurety.js  
Using network 'development'.

Compiling your contracts...

> Compiling .\contracts\SafeMath.sol

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address insueree = insuranceToCredit.passenger;  
^-----^

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> Artifacts written to C:\Users\Hadeel\AppData\Local\Temp\test-119328-8156-xtb36a.hsil  
> Compiled successfully using:  
- solc: 0.5.0+commit.1d4f565a.Emscripten.clang

Contract: Flight Surety Tests

- ✓ (multiparty) has correct initial isOperational() value (184ms)
- ✓ (multiparty) can block access to setOperatingStatus() for non-Contract Owner account (253ms)
- ✓ (multiparty) can allow access to setOperatingStatus() for Contract Owner account (271ms)
- ✓ (multiparty) can block access to functions using requireIsOperational when operating status is false (1055ms)
- ✓ (airline) cannot register an Airline using registerAirline() if it is not funded (120ms)
- ✓ register first airline when deploying. (191ms)
- ✓ airline did not fund, can not register others. (53ms)
- ✓ first 4 airlines can be registered by others. (2507ms)
- ✓ fifth airline and above can not be registered by other, but use voting to be registered. (7086ms)
- ✓ Airline can be registered, but does not participate in contract until it submits funding of 10 ether. (3439ms)
- ✓ register flight successfully. (1009ms)
- ✓ Passengers may pay up to 1 ether for purchasing flight insurance. (471ms)
- ✓ If flight is delayed due to airline fault, passenger receives credit of 1.5X the amount they paid (2091ms)
- ✓ Passenger can withdraw any funds owed to them as a result of receiving credit for insurance payout (1934ms)
- ✓ Insurance payouts are not sent directly to passenger's wallet (1183ms)

15 passing (25s)

PS C:\Users\Hadeel\Desktop\HadeelFlightSurety>

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1 # FlightSurety
2

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: powershell

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Contract: Oracles
Oracle Registered: 0, 8, 4
Oracle Registered: 3, 9, 8
Oracle Registered: 8, 2, 1
Oracle Registered: 5, 7, 2
Oracle Registered: 2, 4, 9
Oracle Registered: 7, 5, 3
Oracle Registered: 5, 8, 7
Oracle Registered: 8, 3, 1
Oracle Registered: 8, 3, 7
Oracle Registered: 6, 1, 4
Oracle Registered: 3, 9, 4
Oracle Registered: 0, 6, 7
Oracle Registered: 0, 7, 4
Oracle Registered: 6, 5, 3
Oracle Registered: 7, 0, 3
Oracle Registered: 0, 2, 1
Oracle Registered: 7, 8, 3
Oracle Registered: 3, 1, 8
Oracle Registered: 0, 5, 6
  ✓ can register oracles (19135ms)
  ✓ can request flight status (2347ms)

2 passing (24s)

PS C:\Users\Hadeel\Desktop\HadeelFlightSurety>
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1 # FlightSurety
2

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: node

PS C:\Users\Hadeel\Desktop\HadeelFlightSurety> npm run server

> flightsurety@1.0.0 server C:\Users\Hadeel\Desktop\HadeelFlightSurety
> webpack --config webpack.config.server.js

webpack is watching the files...

Hash: b52c0f4a7585b8973a9f
Version: webpack 4.30.0
Time: 6454ms
Built at: 2019-04-28 05:13:40
    Asset      Size  Chunks             Chunk Names
server.js  422 KiB          0 [omitted]  main
Entrypoint main = server.js
[0] multi webpack/hot/poll?1000 ./src/server/index 40 bytes {0} [built]
[./build/contracts/FlightSuretyApp.json] 974 KiB {0} [built]
[./node_modules/webpack/hot/log-apply-result.js] (webpack)/hot/log-apply-result.js 1.27 KiB {0} [built]
[./node_modules/webpack/hot/log.js] (webpack)/hot/log.js 1.11 KiB {0} [built]
[./node_modules/webpack/hot/poll.js?1000] (webpack)/hot/poll.js?1000 1.15 KiB {0} [built]
[./src/server/config.json] 180 bytes {0} [built]
[./src/server/index.js] 308 bytes {0} [built]
[./src/server/server.js] 7.05 KiB {0} [built]
[babel-polyfill] external "babel-polyfill" 42 bytes {0} [built]
[express] external "express" 42 bytes {0} [built]
[http] external "http" 42 bytes {0} [built]
[web3] external "web3" 42 bytes {0} [built]

WARNING in configuration
The 'mode' option has not been set, webpack will fallback to 'production' for this value. Set 'mode' option to 'development' or 'production' to enable defaults for each environment.
You can also set it to 'none' to disable any default behavior. Learn more: https://webpack.js.org/concepts/mode/
[ '0x533c0170f55e27a7Eba6A6eff26d8635EDa1dc56',
  '0x5845d9950a97c443Aa80Ba7a5e59456C0d69A6D10',
  '0xC718e248f53bE65bD0b4f6f749477baCa428FA71',
  '0x7120fAd9572b7FA551258D4cF51429aCEFD2db59',
  '0xE85c15369D080e4589870b6247CB67C42108e884a',
  '0xB4754A78D0c72d2F96f1D6c8dA1792F7e753fd50',
  '0xA478e6aF2d0cc1dFb4d16c90E606211A0e9eA4d',
  '0x94d69DcdF7Aa3A0c58F6c75209c100557e23924',
  '0x7ba64956f8c5c29994b68100Cba1Afe60CbCe12F',
  '0x3b236fc5379607b6A62930E23276717eB0615778',
  '0xE85bc049C895a2d60c1546B35560d8D47E06a1',
  '0xB098ef5cB2160F622d16CEe21caB6E1815dF78D84',
  '0x1C8d38112ed68D2eE008906354Ae382FC19fCE8',
  '0x8298Cef0b600F595a30eb949FF9880Ff649bcb6e',
  '0xA82950b4D411E8FE35F3A9333Aa51e6Ab8F17A73',
  '0x4D09d889dC28a9607A0243A49844838f840ACC' ]
  oracle 0x308c2c0773a36fe336721012460f8E271c5F006 registered
  oracle 0xf71CED48623a88717efB5810261C523eA4e67990 registered
  oracle 0xc4D2A4121c5bC797f2C7fED09ee901c187D0A8D00 registered
  oracle 0xc8E0f043296FC9446b87F04cf8b4e344198781 registered
  oracle 0x1D50Afa4a6eb2Cbb1145ab763c8825A1283D3306 registered
  oracle 0xb8db63Ec5822ECF12fAd6528B26E4714647d646 registered
  oracle 0x4d5EaB433e85A1D0b64C5a8A94bF2244C3E9D34b registered
  oracle 0x51F41f311Dc6ba6A9c2eCE53767C372c54B9410 registered
  oracle 0x7120fAd9572b7FA551258D4cF51429aCEFD2db59 registered
  oracle 0xE85c15369D080e4589870b6247CB67C42108e884a registered
  oracle 0xB4754A78D0c72d2F96f1D6c8dA1792F7e753fd50 registered
  oracle 0xA478e6aF2d0cc1dFb4d16c90E606211A0e9eA4d registered
  oracle 0x94d69DcdF7Aa3A0c58F6c75209c100557e23924 registered
  oracle 0x7ba64956f8c5c29994b68100Cba1Afe60CbCe12F registered
  oracle 0x3b236fc5379607b6A62930E23276717eB0615778 registered
  oracle 0xE85bc049C895a2d60c1546B35560d8D47E06a1 registered
  oracle 0xB098ef5cB2160F622d16CEe21caB6E1815dF78D84 registered
  oracle 0x1C8d38112ed68D2eE008906354Ae382FC19fCE8 registered
  oracle 0x8298Cef0b600F595a30eb949FF9880Ff649bcb6e registered
  oracle 0xA82950b4D411E8FE35F3A9333Aa51e6Ab8F17A73 registered
  oracle 0x4D09d889dC28a9607A0243A49844838f840ACC registered
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: node

'0x7120fAd9572b7FA551258D4cF51429aCEFD2db59',
'0xE85c15369D080e4589870b6247CB67C42108e884a',
'0xB4754A78D0c72d2F96f1D6c8dA1792F7e753fd50',
'0xA478e6aF2d0cc1dFb4d16c90E606211A0e9eA4d',
'0x94d69DcdF7Aa3A0c58F6c75209c100557e23924',
'0x7ba64956f8c5c29994b68100Cba1Afe60CbCe12F',
'0x3b236fc5379607b6A62930E23276717eB0615778',
'0xE85bc049C895a2d60c1546B35560d8D47E06a1',
'0xB098ef5cB2160F622d16CEe21caB6E1815dF78D84',
'0x1C8d38112ed68D2eE008906354Ae382FC19fCE8',
'0x8298Cef0b600F595a30eb949FF9880Ff649bcb6e',
'0xA82950b4D411E8FE35F3A9333Aa51e6Ab8F17A73',
'0x4D09d889dC28a9607A0243A49844838f840ACC' ]
  oracle 0x308c2c0773a36fe336721012460f8E271c5F006 registered
  oracle 0xf71CED48623a88717efB5810261C523eA4e67990 registered
  oracle 0xc4D2A4121c5bC797f2C7fED09ee901c187D0A8D00 registered
  oracle 0xc8E0f043296FC9446b87F04cf8b4e344198781 registered
  oracle 0x1D50Afa4a6eb2Cbb1145ab763c8825A1283D3306 registered
  oracle 0xb8db63Ec5822ECF12fAd6528B26E4714647d646 registered
  oracle 0x4d5EaB433e85A1D0b64C5a8A94bF2244C3E9D34b registered
  oracle 0x51F41f311Dc6ba6A9c2eCE53767C372c54B9410 registered
  oracle 0x7120fAd9572b7FA551258D4cF51429aCEFD2db59 registered
  oracle 0xE85c15369D080e4589870b6247CB67C42108e884a registered
  oracle 0xB4754A78D0c72d2F96f1D6c8dA1792F7e753fd50 registered
  oracle 0xA478e6aF2d0cc1dFb4d16c90E606211A0e9eA4d registered
  oracle 0x94d69DcdF7Aa3A0c58F6c75209c100557e23924 registered
  oracle 0x7ba64956f8c5c29994b68100Cba1Afe60CbCe12F registered
  oracle 0x3b236fc5379607b6A62930E23276717eB0615778 registered
  oracle 0xE85bc049C895a2d60c1546B35560d8D47E06a1 registered
  oracle 0xB098ef5cB2160F622d16CEe21caB6E1815dF78D84 registered
  oracle 0x1C8d38112ed68D2eE008906354Ae382FC19fCE8 registered
  oracle 0x8298Cef0b600F595a30eb949FF9880Ff649bcb6e registered
  oracle 0xA82950b4D411E8FE35F3A9333Aa51e6Ab8F17A73 registered
  oracle 0x4D09d889dC28a9607A0243A49844838f840ACC registered
```

```
PS C:\Users\Hadeel\Desktop\HadeelFlightSurety> npm run dapp
> flightsurety@1.0.0 dapp C:\Users\Hadeel\Desktop\HadeelFlightSurety
> webpack-dev-server --mode development --config webpack.config.dapp.js

i [ws]: Project is running at http://localhost:8000/
i [ws]: webpack output is served from /
i [ws]: Content not from webpack is served from C:\Users\Hadeel\Desktop\HadeelFlightSurety\dapp
i [ws]: 670 modules
i [ws]: Compiled successfully.
```

**FlightSurety**

### Operational Status

Check if contract is operational

**Operational Status** true

### Oracles

Trigger oracles

**Fetch Flight Status** 101 Time:1556417837 status code: 0

Flight

Welcome passenger,  
you can choose one of these flight,  
101  
202  
please type the id in the form below  Submit to Oracles

Flnsuracne

Welcome passenger,  
you can buy an insurance for your flight flight,  
so we will pay you 1.5x if our flight is late :)

**Console Logs:**

```
FUNDING FROM DAPP OKAY :) contract.js:96
null true index.js:34
```



```
1 # FlightSurety
2
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: node
'0x04754A78D0c72d2f96f1D6c8dA1792F7e753fd50',
'0xA478e6aF2d0cc1d0fb4d16c9E66e211A0e9eA4d',
'0x94d69DcdF7Aa3AA0c58F6c75209c100557e23924',
'0x7ba64956f8c5c29994b68100Cba1Afe60Cbc12F',
'0x3b236Fc5379607b6A62930E23276717eB0615778',
'0xeB85bc049C895a2d60c1546B35560d8047E06a1',
'0x098ef5cB2160F622d16CE21caB6E1815df780B4',
'0x1C8d38112ed68d2eE00B906354Ae382FC19fCE8',
'0x8298CefD0b00F595a30eb949FF9880Ff649bbc6e',
'0xA82950b4D411E8FE35F3A9333Aa51eBab8F17A73',
'0x4Ddb9d889dC28a9607A0243A49844838fB400ACC' ]
oracle 0x388cC2cB773a36fE336721012460f8E271c5F806 registered
oracle 0xf71CED48623a88717efB850b261C523eA4e67990 registered
oracle 0xc402A4121c5bc797f2C7f60e9ee9D1c1870A8D00 registered
oracle 0xc9E10f43296FCF946b87F04cf8b4e344198781 registered
oracle 0x1D580faAa6eb2cbb1145ab763c8825A128303306 registered
oracle 0xb0deb63Ec5022ECF12faD65288264714647d646 registered
oracle 0x4d5Ea8433e85A10b64C5a8A94bF2244C3EF9034b registered
oracle 0x51f41f110c6e1a6049c2eCE3767c370c5489410 registered
oracle 0x7120FA09572b7fAS5125804cF514290cEFD9d959 registered
oracle 0xE85c1536900b0e4589870b6247CB67C42100e884a registered
oracle 0x04754A78D0c72d2f96f1D6c8dA1792f7e753fd50 registered
oracle 0xA478e6aF2d0cc1d0fb4d16c9E66e211A0e9eA4d registered
oracle 0x4d690cdf7Aa3AA0c58F6c75209c100557e23924 registered
oracle 0x7ba64956f8c5c29994b68100Cba1Afe60Cbc12F registered
oracle 0x3b236Fc5379607b6A62930E23276717eB0615778 registered
oracle 0xeB85bc049C895a2d60c1546B35560d8047E06a1 registered
oracle 0x098ef5cB2160F622d16CE21caB6E1815df780B4 registered
oracle 0x1C8d38112ed68d2eE00B906354Ae382FC19fCE8 registered
oracle 0x8298CefD0b00F595a30eb949FF9880Ff649bbc6e registered
oracle 0xA82950b4D411E8FE35F3A9333Aa51eBab8F17A73 registered
oracle 0x4Ddb9d889dC28a9607A0243A49844838fB400ACC registered
EVENT: [object Object]
oracleRequest - index: 6 - flight: 101 - status code: 10
```

FlightSurety

## Insurance

Trigger oracles

information: 101 1

Flight

Welcome passenger, you can choose one of these flight.

101  
202

please type the id in the form below.

Submit to Oracles

Insurance

Welcome passenger, you can buy an insurance for your flight flight, so we will pay you 1.5x if our flight is late :).

please type the flight you choose in the form below.

please type the amount you want to pay in the form below.

Buy

Console

```
PASSENGER: 0x3b236Fc5379607b6A62930E23276717eB0615778 contract.js:168
before buy: null "0x17c7673196e50cb04ee7cd0b6ebae23d3cb068 index.js:59
6006eb6dc08b2929c6ec01c130"
RESULT: 0x17c7673196e50cb04ee7cd0b6ebae23d3cb068eb6eb6dc08b2929c6ec01c130 contract.js:180
```

FlightSurety

Trigger oracles

**Information:** Error: Returned error: VM Exception while processing transaction: revert msg.value > 1 ether which is not allowed.

Flight

Welcome passenger, you can choose one of these flight, 101 202

please type the id in the form below.  Submit to Oracles

Flnsuracne

Welcome passenger, you can buy an insurance for your flight flight, so we will pay you 1.5x if our flight is late :).

please type the flight you choose in the form below. 101

please type the amount you want to pay in the form below. 1.5 Buy

Console

```
PASSENGER: 0x3b236fc5379607b6a62930e23276717e80615778 contract.js:168
before buy: contract.js:172
null "0x17c7673196e50cb04ee7cd0b6ebae23d3cb868 index.js:59
69b6eb6dc08b2929c6ec01c130"
RESULT contract.js:180
"0x17c7673196e50cb04ee7cd0b6ebae23d3cb86869b6eb6dc08b2929c6
ec01c130"
PASSENGER: 0x3b236fc5379607b6a62930e23276717e80615778 contract.js:168
before buy: contract.js:172
Error: Returned error: VM Exception while index.js:59
processing transaction: revert msg.value > 1 ether which is
not allowed.
at Object.ErrorResponse (errors.js:20)
at eval (index.js:140)
at XMLHttpRequest.request.onreadystatechange (index.js:
96)
at XMLHttpRequestEventTarget.dispatchEvent (xml-http-re
quest-event-target.js:34)
at XMLHttpRequest._setReadyState (xml-http-request.js:2
08)
at XMLHttpRequest._onHttpResponseEnd (xml-http-request.
js:338)
at exports.IncomingMessage.eval (xml-http-request.js:28
2)
at exports.IncomingMessage.emit (events.js:151)
at endReadableNT (stream_readable.js:1010)
at afterTickTwo (index.js:27) undefined
RESULT :undefined contract.js:180
```