

Pancake Swap Clone

1. Download GitHub files

- <https://github.com/pancakeswap/pancake-frontend>
- <https://github.com/pancakeswap/pancake-swap-interface-v1>
- <https://github.com/pancakeswap/pancake-toolkit/tree/9adf501659be2686f96f6e9f68e6c40857f8d3e1>
- <https://github.com/pancakeswap/pancake-swap-sdk>
- Extract them.

2. Download Git/Node

- **git:** <https://gitforwindows.org/>
- **node :** <https://nodejs.org/en/download/>

3. Install yarn

- Open command line and run those commands
- install rollup global(npm install --global rollup)
- install typescript global(npm install --global typescript)
- npm install --global yarn

4. Open Front-end File

- go to front-end folder
- Install 'yarn install'
- For Creating build, run command 'yarn run build'
- Run Front-end File by using command 'yarn run start'

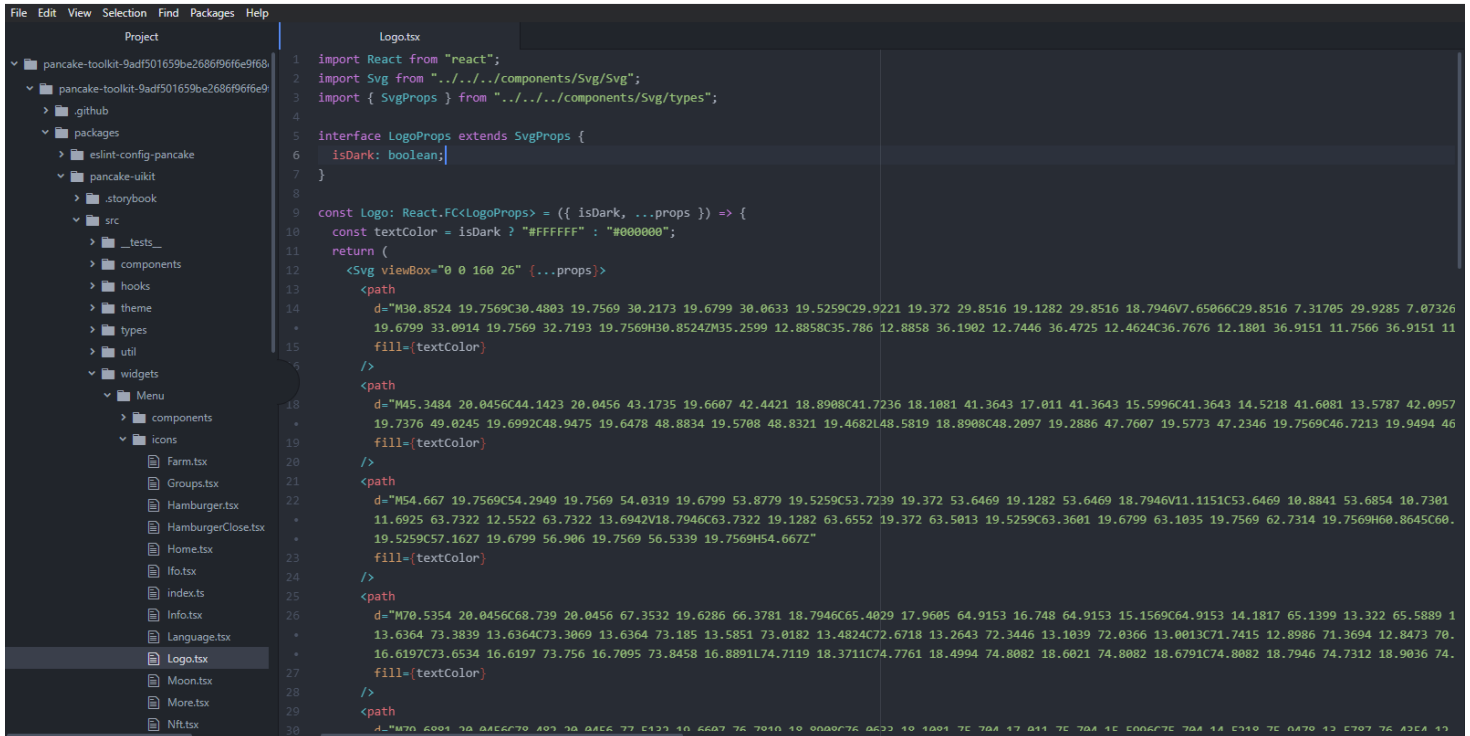
Interface V1

5. Open Pancake Swap interface V1 file

- Open Folder and run command 'yarn install'
- After that run command 'yarn run start'

6. Open file pancake-toolkit-9adf501659be2686f96f6e9f68e6c40857f8d3e1

- Install 'yarn install'
- After installation go to packages\pancake-uikit\src\widgets\Menu\icons
- open Logo file

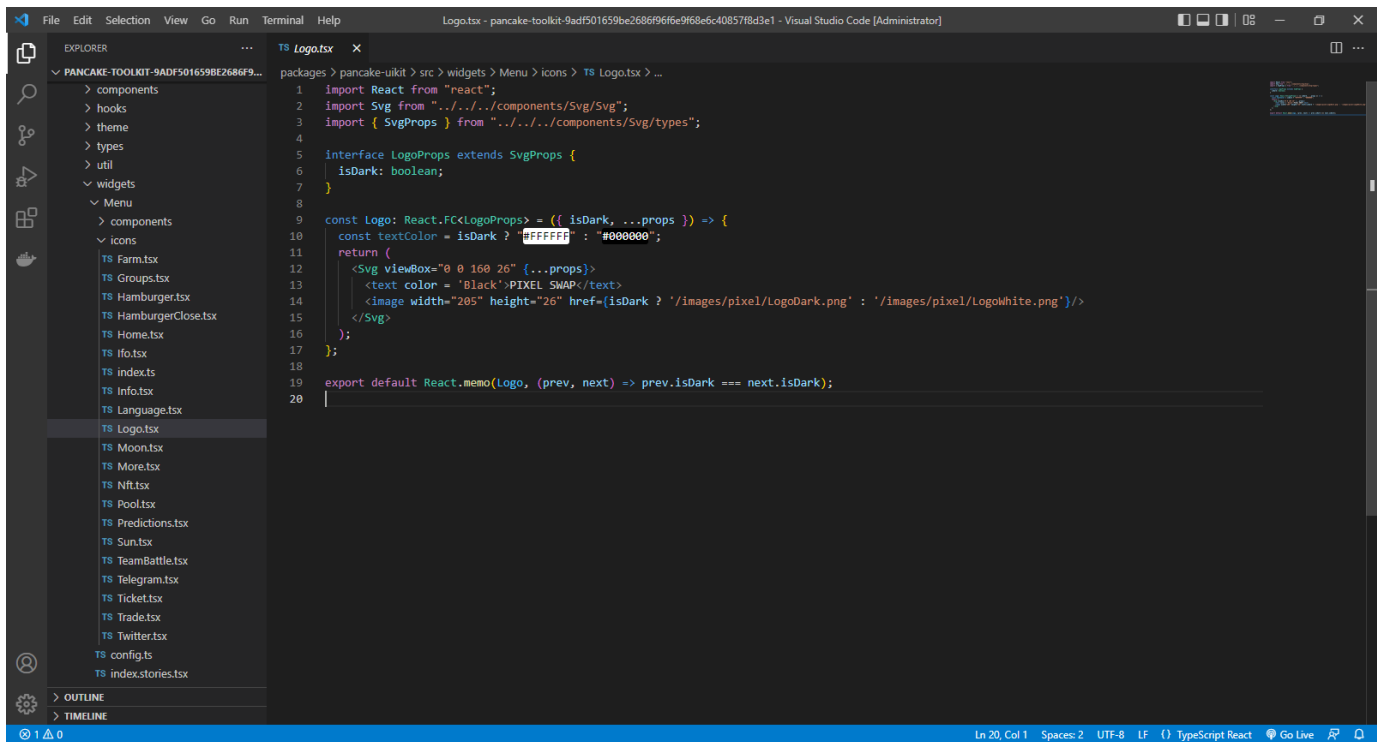


```
1 import React from "react";
2 import Svg from "../../components/Svg/Svg";
3 import { SvgProps } from "../../components/Svg/types";
4
5 interface LogoProps extends SvgProps {
6   isDark: boolean;
7 }
8
9 const Logo: React.FC<LogoProps> = ({ isDark, ...props }) => {
10   const textColor = isDark ? "#FFFFFF" : "#000000";
11   return (
12     <Svg viewBox="0 0 160 26" {...props}>
13       <path
14         d="M30.8524 19.7569C30.4803 19.7569 30.2173 19.6799 30.0633 19.5259C29.9221 19.372 29.8516 19.1282 29.8516 18.7946V7.65066C29.8516 7.31705 29.9285 7.07326
15         19.6799 33.0914 19.7569 32.7193 19.7569H30.8524M35.2599 12.8858C35.786 12.8858 36.1902 12.7446 36.4725 12.4624C36.7676 12.1801 36.9151 11.7566 36.9151 11
16         fill={textColor}
17       />
18       <path
19         d="M45.3484 20.0456C44.1423 20.0456 43.1735 19.6607 42.4421 18.8908C41.7236 18.1081 41.3643 17.011 41.3643 15.5996C41.3643 14.5218 41.6881 13.5787 42.0957
19         19.7376 49.0245 19.6992C48.9475 19.6478 48.8834 19.5708 48.8321 19.4682L48.5819 18.8908C48.2097 19.2886 47.7607 19.5773 47.2346 19.7569C46.7213 19.9494 46
20         fill={textColor}
21       />
22       <path
23         d="M54.667 19.7569C54.2949 19.7569 54.0319 19.6799 53.8779 19.5259C53.7239 19.372 53.6469 19.1282 53.6469 18.7946V11.1151C53.6469 10.8841 53.6854 10.7301
24         11.6925 63.7322 12.5522 63.7322 13.6942V18.7946C63.7322 19.1282 63.6552 19.372 63.5013 19.5259C63.3601 19.6799 63.1035 19.7569 62.7314 19.7569H60.8645C60
25         19.5259C57.1627 19.6799 56.906 19.7569 56.5339 19.7569H54.6672"
26         fill={textColor}
27       />
28       <path
29         d="M70.5354 20.0456C68.739 20.0456 67.3532 19.6286 66.3781 18.7946C65.4029 17.9605 64.9153 16.748 64.9153 15.1569C64.9153 14.1817 65.1399 13.322 65.5889 1
30         13.6364 73.3839 13.6364C73.3869 13.6364 73.185 13.5851 73.0182 13.4824C72.6718 13.2643 72.3446 13.1039 72.0366 13.0013C71.7415 12.8986 71.3694 12.8473 70
31         16.6197C73.6534 16.6197 73.756 16.7095 73.8458 16.8891L74.7119 18.3711C74.7761 18.4994 74.8882 18.6021 74.8882 18.6791C74.8882 18.7946 74.7312 18.9036 74
32         fill={textColor}
33       />
34       <path
35         d="M70.5354 20.0456C68.739 20.0456 67.3532 19.6286 66.3781 18.7946C65.4029 17.9605 64.9153 16.748 64.9153 15.1569C64.9153 14.1817 65.1399 13.322 65.5889 1
36         13.6364 73.3839 13.6364C73.3869 13.6364 73.185 13.5851 73.0182 13.4824C72.6718 13.2643 72.3446 13.1039 72.0366 13.0013C71.7415 12.8986 71.3694 12.8473 70
37         16.6197C73.6534 16.6197 73.756 16.7095 73.8458 16.8891L74.7119 18.3711C74.7761 18.4994 74.8882 18.6021 74.8882 18.6791C74.8882 18.7946 74.7312 18.9036 74
38         fill={textColor}
39       />
40     </Svg>
41   );
42 }
```

- Paste Logo file in Interface V1.
- Go to (public\images) and create folder 'pixel' name.
- Go to folder and paster the Logo File and rename the file 'LogoWhite.png' and 'LogoDark.png'

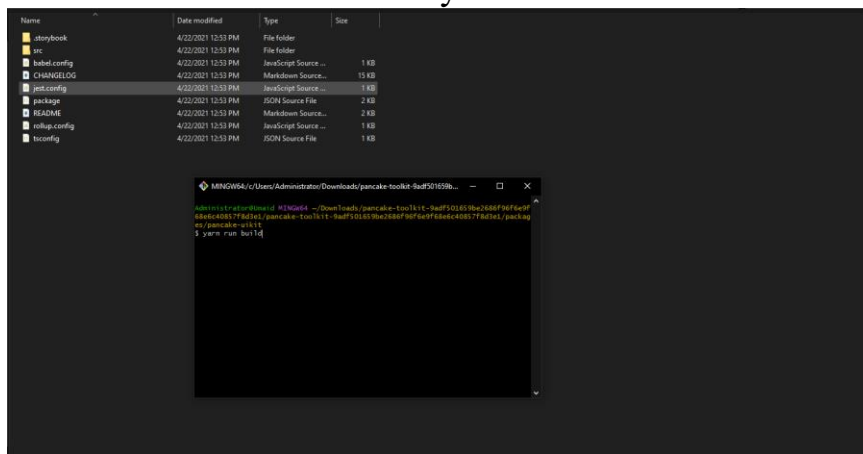
7. Remove the path

replace path lines with logo path or img src (<image width="205" height="26" href={isDark ? '/images/pixel/LogoDark.png' : '/images/pixel/LogoWhite.png'}/>)



8. Create the build file of uikit

- Go to (pancake-toolkit-9adf501659be2686f96f6e9f68e6c40857f8d3e1\pancake-toolkit-9adf501659be2686f96f6e9f68e6c40857f8d3e1\packages\pancake-uikit) **run command 'yarn install'**
- and then run command 'yarn run build'



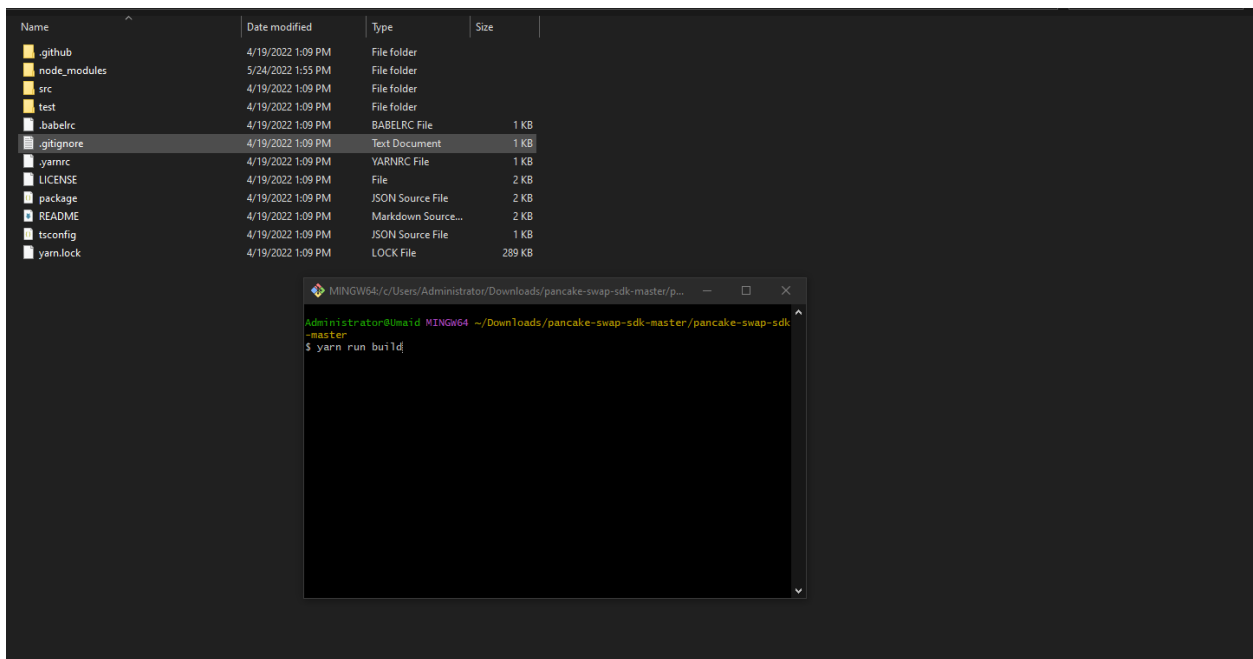
- File will be create by name of dist.
- Copy that file and go to interface V1 folder ('I:\PC Swap Document\pancake-swap-interface-v1-master\node_modules\@pancakeswap-libs\uiokit') and paste the file.

9. Create build File

- Open pancake-swap-sdk-master folder
- Go to (pancake-swap-sdk-master\pancake-swap-sdk-master\src)
- Open constants.ts and replace the ' BSCTESTNET' to 'TESTNET' on line no. 8,26 and 33.

```
TS constants.ts X
C: > Users > Administrator > Downloads > Compressed > pancake-swap-sdk-master > pancake-swap-sdk-master > src > TS constants.ts > ChainId > BSCTESTNET
1  import JSBI from 'jsbi'
2
3  // exports for external consumption
4  export type BigintIsh = JSBI | number | string
5
6  export enum ChainId {
7    MAINNET = 56,
8    BSCTESTNET = 97
9  }
10
11 export enum TradeType {
12   EXACT_INPUT,
13   EXACT_OUTPUT
14 }
15
16 export enum Rounding {
17   ROUND_DOWN,
18   ROUND_HALF_UP,
19   ROUND_UP
20 }
21
22 export const FACTORY_ADDRESS = '0xcA143Ce32Fe78f1f7019d7d551a6402fC5350c73'
23
24 export const FACTORY_ADDRESS_MAP = {
25   [ChainId.MAINNET]: FACTORY_ADDRESS,
26   [ChainId.BSCTESTNET]: '0x6725f303b657a9451d8ba641348b6761a6cc7a17'
27 }
28
29 export const INIT_CODE_HASH = '0x00fb7f630766e6a796048ea87d01acd3068e8ff67d078148a3fa3f4a84f69bd5'
30
31 export const INIT_CODE_HASH_MAP = {
32   [ChainId.MAINNET]: INIT_CODE_HASH,
33   [ChainId.BSCTESTNET]: '0xd0d4c4cd0848c93cb4fd1f498d7013ee6bfb25783ea21593d5834f5d250ece66'
34 }
35
```

- Go to (pancake-swap-sdk-master\pancake-swap-sdk-master)
- Type comand 'yarn install'
- Then create build by run command 'yarn run build'

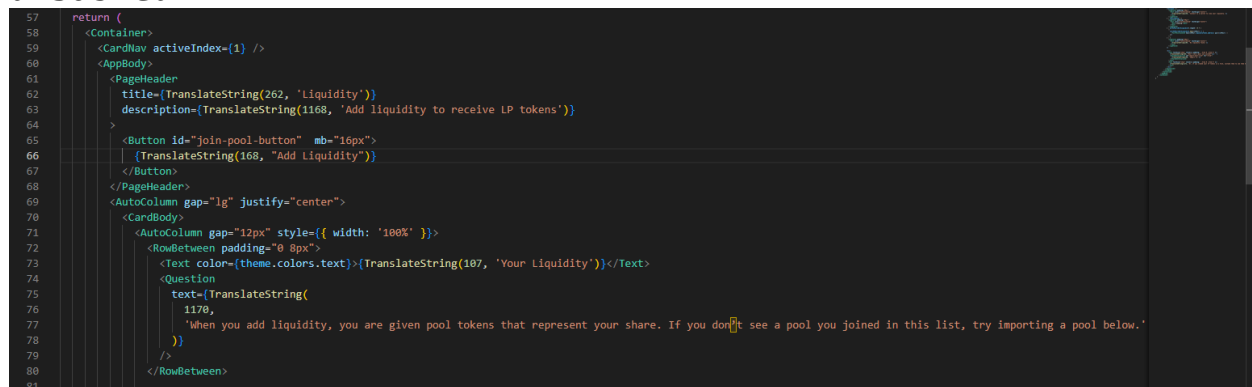


- Copy file dist file and paste in ('pancake-swap-interface-v1-master\node_modules\@pancakeswap-libs\sdk')

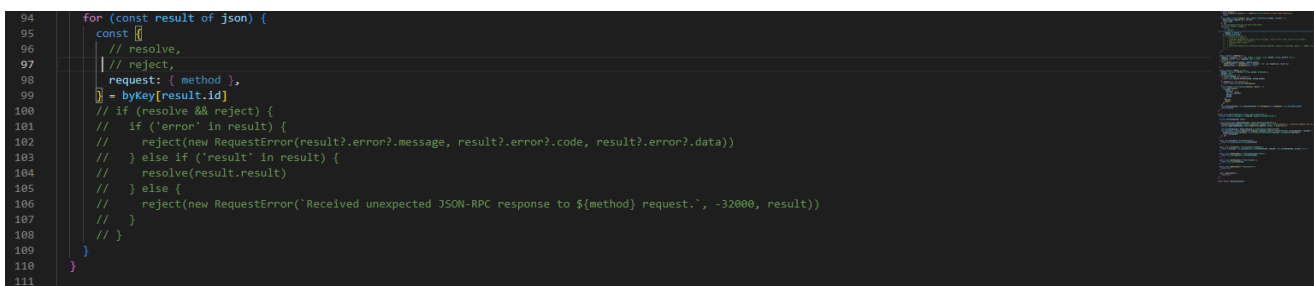
10. Change the button setting 'Add Liquidity'

- Go to (pancake-swap-interface-v1-master\pancake-swap-interface-v1-master\src\pages\Pool)
- Open index.ts file and remove disabled and change the text.

disabled



- Change the network setting
- Go to (pancake-swap-interface-v1-master\pancake-swap-interface-v1-master\src\connectors)



- Open file NetworkConnectors.ts and comment the following.
- Now go to (pancake-swap-interface-v1-master\pancake-swap-interface-v1-master\src\state), open index.ts and comment

```

30 const store = configureStore({
31   reducer: {
32     application,
33     user,
34     transactions,
35     swap,
36     mint,
37     burn,
38     multicall,
39     lists,
40     toasts
41   },
42   middleware: [...getDefaultMiddleware({ thunk: false }), save({ states: PERSISTED_KEYS })],
43   // preloadedState: loadedState,
44 })
45
46 store.dispatch(updateVersion())
47
48 export default store
49
50 export type AppState = ReturnType<typeof store.getState>
51 export type AppDispatch = typeof store.dispatch
52

```

Smart Contracts

1. Cake Token :

<https://bscscan.com/address/0x0e09fabb73bd3ade0a17ecc321fd13a19e81ce82#code>

2. Factory Address :

<https://bscscan.com/address/0xca143ce32fe78f1f7019d7d551a6402fc5350c73#code>

3. Router Address :

<https://bscscan.com/address/0x10ed43c718714eb63d5aa57b78b54704e256024e#code>

4. MasterChef :

<https://bscscan.com/address/0x73feaa1eE314F8c655E354234017bE2193C9E24E#code>

5. Syrup Pool : <https://github.com/pancakeswap/pancake-farm/blob/master/contracts/SyrupBar.sol>

11. Deployed on TestNet

- Copy Contracts and Deployed them on Bnb TestNet
- Deploy Token Contract and Copy contract address.
- For Deploying Factory Contract: Paste token address and deploy then copy the contract address.
- For Deploying Router Contract: Paste factory address and WETH address and deploy then copy router address.

- Deploy syrup Contract and copy deployed contract address.
- For Deploying MasterChef Contract: paste Token address, syrup pool address, DevAddress (owner address), CakePerblock creating, starting block number then deploy the contract.
- Copy all the deployed contract addresses, create a notepad file and paste them.

12. Change Deployed addresses

1. Change the addresses of deployed smart contract
 - Router Address : (pancake-swap-interface-v1-master\pancake-swap-interface-v1-master\src\constants\index.ts)
 - Factory Address: (pancake-swap-sdk-master\pancake-swap-sdk-master\src) and make build and paste again in interface build folder.
 - Token Address : (pancake-frontend-develop\pancake-frontend-develop\src\config\constants\tokens.ts)
 - MasterChef Address: (pancake-frontend-develop\pancake-frontend-develop\src\config\constants\contract.ts)

13. Change Menu

- Go to (pancake-swap-interface-v1-master\pancake-swap-interface-v1-master\src\components\Menu\config.js)
- Comment the All Menu expect Exchange, Liquidity and Farms.

```
// {
//   label: 'LP Migration',
//   href: '/migrate',
// },
{
  label: 'Exchange',
  href: 'http://localhost:3001/#/swap',
},
{
  label: 'Liquidity',
  href: 'http://localhost:3001/#/pool',
},
// {
//   label: 'V1 Liquidity (Old)',
//   href: '/pool',
// },
],
},
{
  label: 'Farms',
  icon: 'FarmIcon',
  href: 'http://localhost:3000/farms',
},
// {
//   label: 'Pools',
//   icon: 'PoolIcon',
//   href: 'https://pancakeswap.finance/pools',
// },
// {
//   label: 'Prediction (BETA)',
//   icon: 'PredictionsIcon',
//   href: 'https://pancakeswap.finance/prediction',
// }
```

- And change the URL to localhost.

Interface V2

14. Change Menu

- Go to (pancake-frontend-develop\pancake-frontend-develop\src\components\Menu\config\ config.js)
- Comment the All-Menu expect Exchange, Liquidity and Farms.

```

28 items: [
29   {
30     label: t('Swap'),
31     href: '/swap',
32   },
33   // {
34   //   label: t('Limit'),
35   //   href: '/limit-orders',
36   // },
37   {
38     label: t('Liquidity'),
39     href: '/liquidity',
40   },
41   // {
42   //   label: t('Perpetual'),
43   //   href: 'https://perp.pancakeswap.finance/${(perLangMap(languageCode))/futures/BTCUSDOT}',
44   //   type: DropdownMenuItemType.EXTERNAL_LINK,
45   // },
46 ],
47 },
48 {
49   label: t('Earn'),
50   href: '/farms',
51   icon: EarnIcon,
52   fillIcon: EarnFillIcon,
53   items: [
54     {
55       label: t('Farms'),
56       href: '/farms',
57     },
58     // {
59     //   label: t('Pools'),
60     //   href: '/pools',
61     // },
62   ],
63 },
64 // {
65 //   label: t('Win'),
66 //   href: '/pools',
67 // },

```

15. Change Cake per block

- Go to (pancake-frontend-develop\pancake-frontend-develop\src\config\index.ts)
- Change Block number.