Deposit Network Selection UI Implementation

Problem

The deposit page was missing a UI component for network selection (TRC20, ERC20, BEP20, etc.) after selecting a cryptocurrency. The `selectedDepositMethod` existed in the code but had no user interface to set it.

Solution

Enabled the existing `SelectNetwork` component that was commented out and fixed the step flow for SPOT wallet deposits.

Changes Made

1. Main Deposit Page (`src/pages/user/wallet/deposit/index.tsx`)

Added Import

```
import { SelectNetwork } from
"@/components/pages/user/wallet/deposit/SelectNetwork";
```

Fixed Step Flow for SPOT Wallet

Before (broken flow):

- Step 1: Select Wallet Type (SPOT)
- Step 2: Select Currency (USDT)
- Step 3: Show Deposit Address ❌ (skipped network selection!)
- Step 4: Deposit Confirmed

After (correct flow):

- Step 1: Select Wallet Type (SPOT)
- Step 2: Select Currency (USDT)
- Step 3: **Select Network (TRC20/ERC20/BEP20)** ☑ (added)
- Step 4: Show Deposit Address
- Step 5: Deposit Confirmed

Code Changes

```
{/* Network selection for SPOT wallet */}
{step === 3 && selectedWalletType.value === "SPOT" && (
  <SelectNetwork />
)}

{/* Deposit address for SPOT wallet after network selection */}
{step === 4 && selectedWalletType.value === "SPOT" && (
  <DepositAddress />
)}

{((step === 5 && selectedWalletType.value === "SPOT") ||
  (step === 5 && selectedWalletType.value === "FIAT")) && (
  <DepositConfirmed />
)}
```

Updated WebSocket Monitoring

Fixed WebSocket initialization to work with the new step 4:

```
useEffect(() => {
  if (
    selectedWalletType.value !== "FIAT" &&
    step === 4 &&
    selectedWalletType.value === "SPOT" &&
    profile?.id &&
    depositAddress.address
  ) {
    // WebSocket setup...
  }
}, [selectedWalletType.value, step, profile?.id, depositAddress.address]);
```

2. SelectNetwork Component (`src/components/pages/user/wallet/deposit/SelectNetwork/SelectNetwork.tsx`)

Fixed Step Transition

Changed from `setStep(3)` to `setStep(4)` when continuing after network selection:

```
onClick={() => {
  console.log('[SelectNetwork] Continue to deposit address:', {
    currency: selectedCurrency,
    network: selectedDepositMethod
  });
  fetchDepositAddress();
  setStep(4); // Changed from 3 to 4
}}
```

3. Debug Logging Added

Added comprehensive logging throughout the deposit flow:

`SelectCurrency`

```
console.log('[SelectCurrency] Fetching deposit methods for:', {
  walletType: selectedWalletType.value,
  currency: selectedCurrency
});
```

`SelectNetwork`

```
console.log('[SelectNetwork] Network selected:', {
  network: item.chain,
  contractType: item.contractType,
  currency: selectedCurrency,
  limits: item.limits
});
```

`Deposit Store`

```
console.log("[DepositStore] Deposit methods loaded:", {
  count: methodsData?.length || 0,
  methods: methodsData?.map((m: any) => m.chain) || []
});

console.log("[DepositStore] SPOT deposit address received:", {
  address: addressData.address,
  currency: selectedCurrency,
  network: selectedDepositMethod
});
```

User Flow

Complete SPOT Deposit Flow

1. ☑ User selects **SPOT** wallet type
2. ☑ User selects **USDT** currency
3. ☑ System fetches available networks via `fetchDepositMethods()`
4. ☑ **[NEW]** User sees network options (TRC20, ERC20, BEP20, etc.)
5. ☑ **[NEW]** User selects **TRC20** network
6. ☑ System fetches deposit address via `fetchDepositAddress()`
7. ☑ Custom deposit address is displayed (e.g., `TK5F8mcAHAcgetuhr25ypfQUEqDEUZMEtP`)
8. ☑ User deposits and transaction is monitored via WebSocket

Data Flow

Store Structure (`src/stores/user/wallet/deposit.ts`)

```
type DepositStore = {
  step: number;                       // Current step (1-5)
  selectedWalletType: WalletType;     // SPOT, FIAT, ECO
  selectedCurrency: string;           // USDT, BTC, ETH, etc.
  depositMethods: any[];              // Available networks/methods
  selectedDepositMethod: any | null;  // Selected network (TRC20, ERC20,
etc.)
  depositAddress: any;                // Generated deposit address
  // ... other fields
}
```

API Endpoints Used

1. **Fetch Deposit Methods**

   ```
   GET /api/finance/currency/{walletType}/{currency}?action=deposit
   ```

   Returns available networks for the selected currency.

2. **Fetch Deposit Address**

   ```
   GET /api/finance/currency/{walletType}/{currency}/{network}
   ```

   Returns the deposit address for the selected network.

Testing Checklist

To verify the fix is working:

- □ Navigate to `/user/wallet/deposit`
- □ Select **SPOT** wallet type
- □ Select **USDT** currency
- □ **Verify**: Network selection screen appears (step 3)
- □ **Verify**: Networks are listed (TRC20, ERC20, BEP20, etc.)
- □ **Verify**: Min/Max limits are shown for each network
- □ Select **TRC20** network
- □ **Verify**: Deposit address screen appears (step 4)
- □ **Verify**: Custom address is displayed
- □ Check browser console for debug logs:
  - `[SelectCurrency] Fetching deposit methods for:`

  - `[DepositStore] Deposit methods loaded:`
  - `[SelectNetwork] Network selected:`
  - `[DepositStore] Fetching deposit address:`
  - `[DepositStore] SPOT deposit address received:`

Files Modified

1. `src/pages/user/wallet/deposit/index.tsx`

   - Added `SelectNetwork` import
   - Enabled network selection step for SPOT wallet
   - Fixed step numbers (4→5 for deposit confirmed)
   - Updated WebSocket monitoring logic

2. `src/components/pages/user/wallet/deposit/SelectNetwork/SelectNetwork.tsx`

   - Fixed step transition from 3 to 4
   - Added debug logging

3. `src/components/pages/user/wallet/deposit/SelectCurrency/SelectCurrency.tsx`

   - Added debug logging

4. `src/stores/user/wallet/deposit.ts`

   - Enhanced debug logging in `fetchDepositMethods()`
   - Enhanced debug logging in `fetchDepositAddress()`

Related Components

- `SelectWalletType` - Step 1
- `SelectCurrency` - Step 2
- `SelectNetwork` - Step 3 (SPOT)
- `SelectFiatDepositMethod` - Step 3 (FIAT)
- `DepositAddress` - Step 4 (SPOT)
- `FiatDepositAmount` - Step 4 (FIAT)
- `DepositConfirmed` - Step 5

Notes

- The `SelectNetwork` component was already implemented but was commented out
- The fix primarily involved uncommenting and integrating the existing component
- FIAT wallet flow remains unchanged (uses different steps)
- ECO wallet type may need similar treatment in the future
- All existing TypeScript/Biome warnings are pre-existing and not introduced by these changes