

Splitwise Clone - API Documentation

Base URL

http://localhost:8000

Endpoints Summary

Method	Endpoint	Description
POST	/users/	Create a new user
GET	/users/	List all users
POST	/groups/	Create a new group
GET	/groups/{group_id}	Get group details and members
POST	/expenses/	Add an expense to a group
GET	/expenses/	List all expenses
GET	/balances/	Get net balances of all users

POST /users/

Request Body:

```
{
  "name": "Srinikethan"
}
```

Response:

```
{
  "id": 1,
  "name": "Srinikethan"
}
```

POST /groups/

Request Body:

```
{
  "name": "Trip to Goa",
  "user_ids": [1, 2, 3]
}
```

Response:

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```
{  
  "id": 1,  
  "name": "Trip to Goa"  
}
```

POST /expenses/

Request Body:

```
{  
  "description": "Hotel stay",  
  "amount": 3000,  
  "user_id": 1,  
  "group_id": 1,  
  "split_type": "equal"  
}
```

Response:

```
{  
  "id": 1,  
  "description": "Hotel stay",  
  "amount": 3000,  
  "user_id": 1,  
  "group_id": 1,  
  "split_type": "equal"  
}
```

GET /balances/

Response:

```
[  
  {  
    "user": "Srinikethan",  
    "balance": -1000  
  },  
  {  
    "user": "Friend A",  
    "balance": 500  
  },  
]
```

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```
{  
  "user": "Friend B",  
  "balance": 500  
}  
]
```

App Description (50 words)

Splitwise Clone allows users to create groups, add shared expenses, and track balances easily. The app calculates how much each member owes or is owed. With FastAPI handling the backend logic and React managing the frontend, it delivers a clean and responsive interface styled using Tailwind CSS.