

Henry Vu
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SWDV 691
Service Layers Design

Service endpoints purposes:

1. Retrieve a specific user based on login authorization.
2. Retrieve all accounts, bills, and plans (see below for the respective service endpoints URL)
3. Retrieve specific accounts, bills, and plans.
4. Update specific accounts, bills, and plans.
5. Delete specific accounts, bills, and plans.
6. Create new accounts, bills, and plans.

All service endpoints required and their Respective Page Titles:

HOME PAGE:

GET /api/users/{user_id}
PUT /api/users/{user_id}
DELETE /api/users/{user_id}
POST /api/users

ACCOUNTS PAGE:

GET /api/accounts
GET /api/accounts/{account_id}
PUT /api/accounts/{account_id}
DELETE /api/accounts/{account_id}
POST /api/accounts

BILLS PAGE:

GET /api/bills
GET /api/bills/{bill_id}
PUT /api/bills/{bill_id}
DELETE /api/bills/{bill_id}
POST /api/bills

PLANS PAGE:

GET /api/plans
GET /api/plans/{plan_id}
PUT /api/plans/{plan_id}
DELETE /api/plans/{plan_id}
POST /api/plans

RETIREMENT STRETCH FEATURE:

GET /api/plans

GET /api/plans/{plan_id}

PUT /api/plans/{plan_id}

(These rows are premade and cannot be deleted or created)

Example request and responses (similar for each class ie. switch accounts with bills, plans etc.):

Request	Response
GET /api/accounts	[{account_id: 1, nickname: 'Checkings Account', balance: 301.21, due_date: NULL}, {id: 2, nickname: 'Mastercard', balance: -56.71, due_date: 2020-11-23}, ...]
GET /api/accounts/{account_id}	{account_id: 1, nickname: 'Checkings Account', balance: 301.21, due_date: NULL}
PUT /api/accounts/{account_id} <i>Body of request:</i> {nickname: 'Business Checkings'}	{account_id: 1, nickname: 'Business Checkings', balance: 301.21, due_date: NULL}
DELETE /api/accounts/{account_id}	
POST /api/accounts <i>Body of request:</i> {nickname: 'Business Savings', balance: 4067.89, due_date: NULL}	{account_id: 2, nickname: 'Business Savings', balance: 4067.89, due_date: NULL}
ERROR CODES	400 - Invalid id 404 - Account not found 405 - Invalid input