

Completionist Tracker – Service Layers

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Service Endpoints

1. User Authentication

POST /api/register

Description: Creates a new user account

Used by: Create Account Page (all personas)

Example Request:

```
1  {
2    "username": "jamie32",
3    "email": "jamie@example.com",
4    "password": "securepass123"
5  }
```

Success response:

```
{
  "message": "User created successfully"
}
```

Error response:

```
1  {
2    "error": "Email already in use"
3  }
```

POST /api/login

Description: Logs in a user and returns auth token

Used by: Login Page

Example Request:

```
1  {
2    "email": "jamie@example.com",
3    "password": "securepass123"
4  }
```

Success response:

```
1  {
2    "token": "eyJ0eXAiOiJKV1QiLCJh... (JWT)"
3  }
```

Error response:

```
1  {
2    "error": "Invalid credentials"
3  }
```

2. Game Management

GET /api/games

Description: Fetch all games for the logged-in user

Used by: Dashboard Page

Success response:

```
1  [
2    {
3      "id": 1,
4      "title": "Hollow Knight",
5      "platform": "Steam",
6      "genre": "Metroidvania",
7      "completion": "60%"
8    }
9  ]
```

POST /api/games

Description: Add a new game to user's library

Used by: Add Game Page

Request:

```
1  {
2    "title": "Metroid Prime",
3    "platform": "GameCube",
4    "genre": "Action-Adventure"
5  }
```

Success response:

```
1  {
2    "id": 5,
3    "message": "Game added"
4  }
```

Error response:

```
{
  "error": "Title is required"
}
```

DELETE /api/games/<game_id>

Description: Delete a game

Used by: Dashboard or Game Detail Page

Success Response:

```
1  {
2    "message": "Game deleted"
3  }
```

3. Checklist Items

GET /api/games/<game_id>/checklist

Description: Fetch all checklist items for a game

Used by: Game Detail Page

Response:

```
1  [
2    {
3      "id": 1,
4      "description": "Rescue all Grubs",
5      "completed": false,
6      "order": 3
7    }
8  ]
```

POST /api/games/<game_id>/checklist

Description: Add a checklist item to a game

Used by: Game Detail Page

Request:

```
1  {
2    "description": "Defeat all dream bosses",
3    "order": 4
4  }
```

Success response:

```
1  {
2    "id": 9,
3    "message": "Item added"
4  }
```

PUT /api/checklist/<item_id>

Description: Update a checklist item's status or description

Used by: Game Detail Page

Request:

```
1  {
2    "completed": true
3  }
```

Success Response:

```
1  {
2    "message": "Item updated"
3  }
```

DELETE /api/checklist/<item_id>

Description: Remove a checklist item

Used by: Game Detail Page

Response:

```
C:\Users\DRISG\Desktop\school\Graduate> Gra
1  {
2    "message": "Item deleted"
3  }
```

4. Community Checklists

GET /api/community

Description: Browse all community templates

Used by: Community Checklist Page

Response:

```
[
  {
    "id": 3,
    "title": "Hollow Knight 100% Completion",
    "platform": "Steam",
    "tags": [
      "Charms",
      "Bosses",
      "Map"
    ]
  }
]
```

POST /api/community/import/<checklist_id>

Description: Import a community checklist as a new game

Used by: Community Checklist Page

Response:

```
1  {
2    "message": "Checklist imported to your library",
3    "game_id": 6
4  }
```

