**Guardify AI - Flask API Routes**

**Authentication**

**POST /login**Example request:  
*{*

*"email": "aiguardify@gmail.com",*

*"password": "demo\_user"*

*}*

Example response:

*{ token: ….}*

**GET /logout**

**Shops (Sidebar & Shop-specific dashboard)**

**GET /shops**

Returns all shops of current user (id, name)

Example response:

*[*

*{"shop\_id": "abc123", "shop\_name": "Haifa"},*

*{"shop\_id": "xyz456", "shop\_name": "Tel Aviv"}*

*]*

**GET /shops/<shop\_id>/events?include\_analysis=1**

Returns all events of a specific shop (event\_id, event\_date, shop\_name, camera\_name,

description, **Analysis - optional**)

Example response:

*[*

*{*

*"event\_id": "e1",*

*"event\_datetime": "2025-04-03T09:36:59",*

*"shop\_name": "Tel Aviv"*

*"camera\_name": "Exit Camera",*

*"description": "Unusual behavior at exit",*

***analysis": {***

*"event\_id": "e1",*

*"final\_detection": true,*

*"final\_confidence": 0.91,*

*"decision\_reasoning": "Unusual standing behavior near shelf",*

*}*

*},*

*...*

*]*

**Stats**

**GET /stats**

Returns global statistics across all shops

Example response:

*{*

*"events\_per\_day": {*

*"2025-04-03": 9,*

*"2025-04-04": 4*

*},*

*"events\_by\_hour": {*

*"09": 3,*

*"13": 2*

*},*

*"events\_by\_shop": {*

*"Haifa": 7,*

*"Tel Aviv": 6*

*},*

*"events\_by\_category": {*

*"Security": 5,*

*"Shelf Interaction": 3,*

*"Other": 2*

*}*

*}*

**GET /shops/<shop\_id>/stats**

Returns statistics for a specific shop

Example response:

*[*

*"events\_per\_day": {*

*"2025-04-03": 3,*

*"2025-04-04": 2*

*},*

*"events\_by\_hour": {*

*"09": 1,*

*"13": 2*

*},*

*"events\_by\_camera": {*

*"Exit Camera": 3,*

*"Face Recognition": 2*

*},*

*"events\_by\_category": {*

*"Security": 3,*

*"Shelf Interaction": 2,*

*"Other": 2*

*}*

*]*

**Event Details (single page per event)**

**GET /shops/<shop\_id>/events/<event\_id>?include\_analysis=1**

Returns full event information

Example response:

*{*

*"event\_id": "e1",*

*"event\_datetime": "2025-04-03T09:36:59",*

*"shop\_name": "Haifa",*

*"camera\_name": "Exit Camera",*

*"description": "Unusual behavior at exit",*

***analysis": {***

*"event\_id": "e1",*

*"final\_detection": true,*

*"final\_confidence": 0.91,*

*"decision\_reasoning": "Unusual standing behavior near shelf",*

*}*

*}*

**POST /shops/<shop\_id>/events**

Request body JSON for example:  
{

"camera\_id": "guardify\_ai\_central\_entrance",

"description": "Some description",

"video\_url": "a pretty url"

}

**GET /events?include\_analysis=1**

Returns all events across all shops (event\_id, event\_date, shop\_name, camera\_name,

description, detection confidence)

Example response:

*[*

*{*

*"event\_id": "e1",*

*"event\_datetime": "2025-04-03T09:36:59",*

*"shop\_name": "Haifa",*

*"camera\_name": "Exit Camera",*

*"description": "Unusual behavior at exit",* ***analysis": {***

*"event\_id": "e1",*

*"final\_detection": true,*

*"final\_confidence": 0.91,*

*"decision\_reasoning": "Unusual standing behavior near shelf",*

*},*

*},*

*...*

*]*

**Analysis**

**GET /analysis/<event\_id>**

Returns AI-generated reasoning

Example response:

*{*

*"final\_detection": "true",*

*"final\_confidence": 0.91,*

*"reasoning": "Unusual standing behavior near shelf"*

*}*

**POST /analysis/<event\_id>**

Request body JSON for example:

{

"final\_detection": true,

"final\_confidence": 0.9,

"decision\_reasoning": "Some reasoning"

}

**Cameras**

**GET /shop/<shop\_id>/cameras**

Example response:

{

"errorMessage": null,

"result": [

{

"camera\_id": "guardify\_ai\_central\_entrance",

"camera\_name": "Entrance",

"shop\_id": "guardify\_ai\_central"

},

{

"camera\_id": "guardify\_ai\_central\_checkout",

"camera\_name": "Checkout",

"shop\_id": "guardify\_ai\_central"

}

]

}

**POST /shop/<shop\_id>/cameras**

Request body JSON for example:

{

"camera\_name": "Sweets 1"

}

**DELETE /shops/<shop\_id>/cameras/<camera\_id>**

**Video Recorder Uploader**

**POST /shops/<shop\_id>/recording/start**

Request body JSON for example:

{

"camera\_name": str, - Name of the camera to record from (required)

"duration": int,- Duration in seconds (optional, defaults to 30)

"detection\_threshold": float, - Threshold for shoplifting detection (optional, defaults to 0.8)

"analysis\_iterations": int - Number of analysis iterations (optional, defaults to 1)

}

The request will return OK if succeeded to start the recording.

**POST /shops/<shop\_id>/recording/stop**

Request body JSON for example:

{

"camera\_name": "Back storage 2" // which camera to stop

}

The request will return OK if succeeded to stop.

**GET /shops/<shop\_id>/recording/status**

Response body JSON for example:

{

"camera\_name": "Back storage 2"

}