**ĐẠI HỌC QUỐC GIA THÀNH PHỐ HỒ CHÍ MINH**

**ĐẠI HỌC KHOA HỌC TỰ NHIÊN**

**NGÀNH CÔNG NGHỆ THÔNG TIN**

****

**API Documentation Đồ Án TH**

**Quản lý nhân viên**

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**Môn học: Ứng dụng phân tán**

**Thành phố Hồ Chí Minh**

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# Bảng thông tin chi tiết nhóm

|  |  |  |  |
| --- | --- | --- | --- |
| **Mã nhóm:** | UDPT-04 | | |
| **Số lượng:** | 4 | | |
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# 

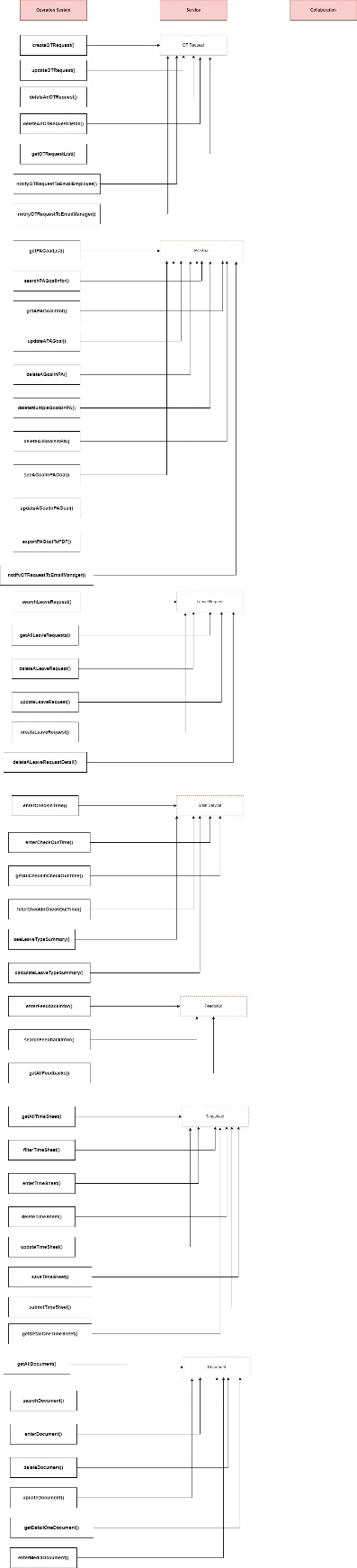
# Phân công công việc

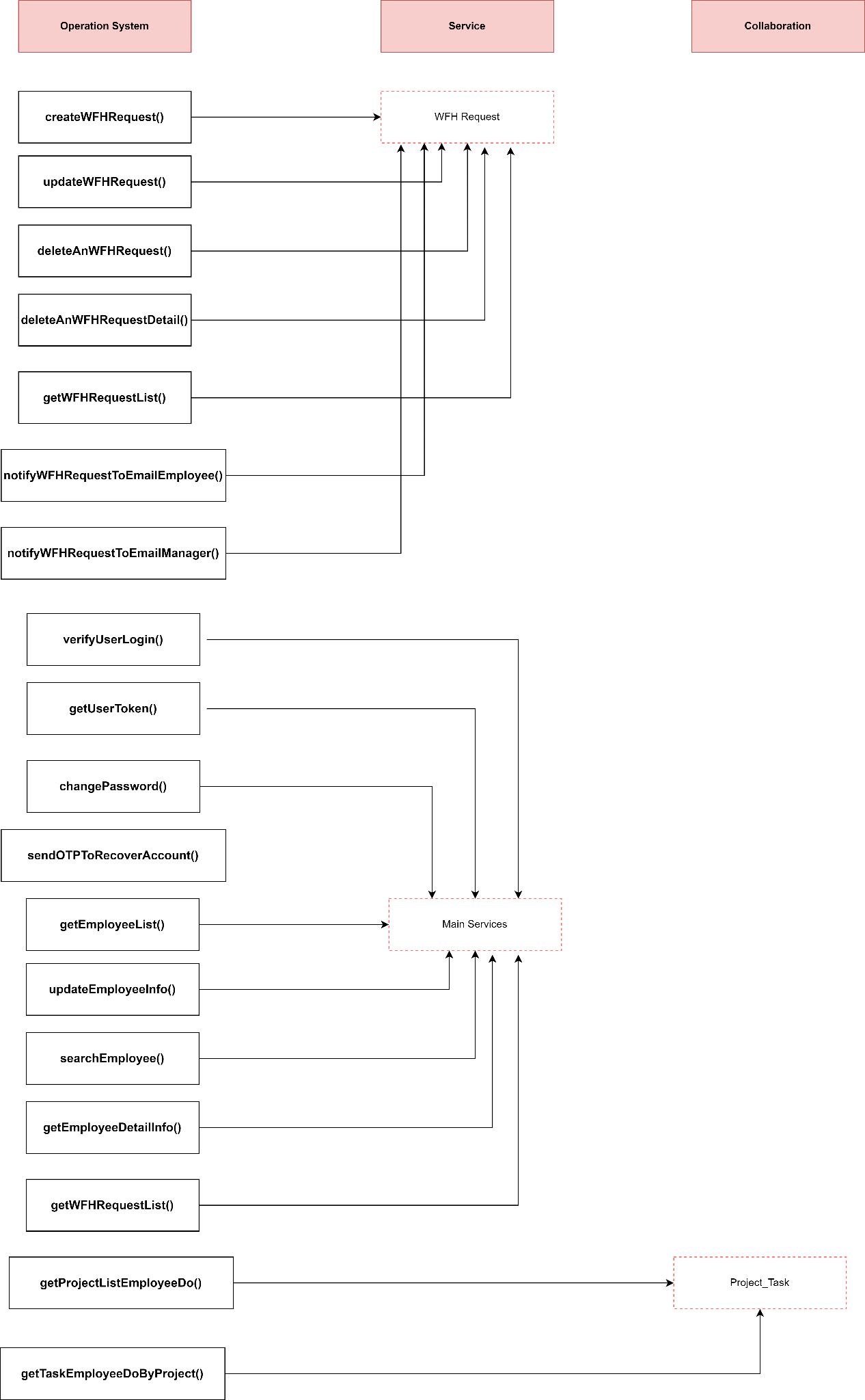
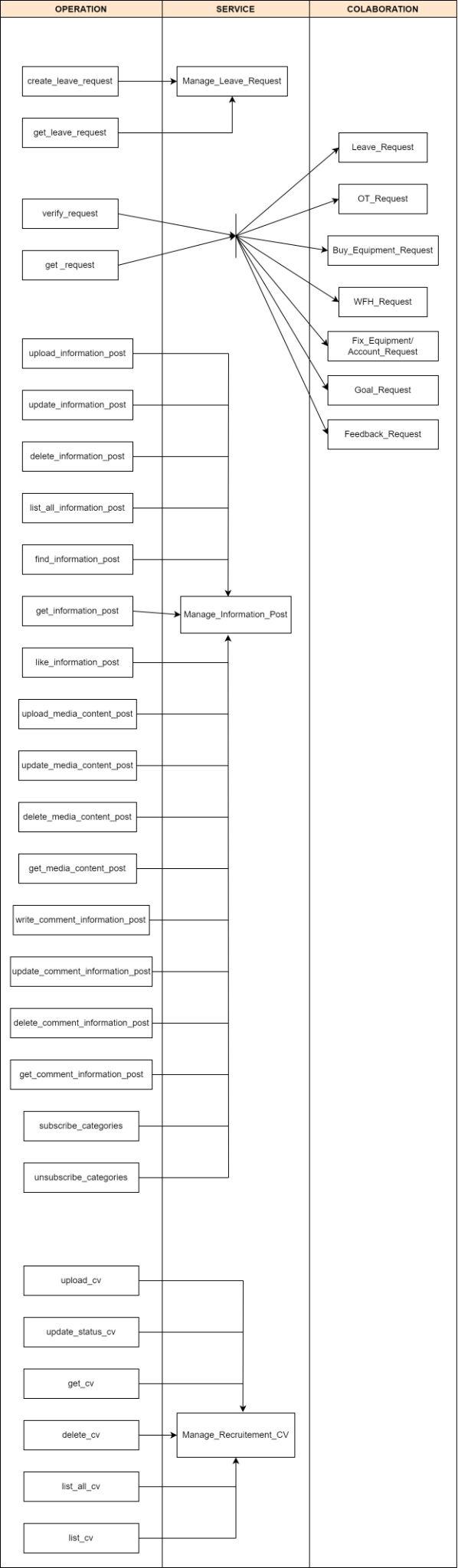
|  |  |  |
| --- | --- | --- |
| **Họ tên thành viên** | **Nội dung công việc** | **Phần trăm hoàn thành (%)** |
| Phạm Ngọc Thùy Trang | Viết API cho các chức năng 2,10,13.0, nhóm (13.1,13.2,13.3) | 100% |
| Phan Ngọc Thiên Ân | Viết API cho các chức năng 7,14,9,3 | 100% |
| Ngô Thị Thanh Thảo | Viết API cho các chức năng 4,5,6 | 100% |
| Hoàng Nguyên Trúc | Viết API cho các chức năng 12,1,16 | 100% |

# 

# Bảng tổng quát về luồng xử lý và các dịch vụ của đồ án

Xem chi tiết hơn ở đây: <https://imgur.com/gallery/WuFRHv9>





# Thiết kế API

**Chức năng 1: Check-in, check-out (nhân viên điểm danh giờ vào ra trên hệ thống), xem thời gian làm việc của mình theo ngày, kiểm tra đủ giờ hay thiếu giờ mỗi tháng.**

1. **API 1: Thêm/Cập nhật thời gian checkin/checkout**

POST /checkin-checkout

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/checkin-checkout": {

"post": {

"summary": "Insert new checkin/checkout time",

"operationId": "post-checkin-checkout",

"responses": {

"200": {

"description": "Time Inserted Successfully",

"content": {

"examples": {

"Log Time": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 10,

"TIME\_IN": "08:15:00",

"TIME\_OUT": "16:15:00",

"DATE": "2022-07-17",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00" },

"TYPE": "INSERT"

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Insert checkin/checkout time": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 10,

"TIME\_IN": "08:15:00",

"TIME\_OUT": "16:15:00",

"DATE": "2022-07-17",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00" } }

}

}

},

"description": "Post the necessary fields for the API to insert time checkin-checkout."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Insert checkin/checkout time."

}

}

}**`**

1. **API 2: Xem tất cả thời gian checkin/checkout hoặc theo ngày**

GET /checkin-checkout-info?limit=5&offset=0

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/checkin-checkout-info?limit=5&offset=0": {

"get": {

"summary": "Get checkin/checkout time info",

"operationId": "post-checkin-checkout-info",

"responses": {

"200": {

"description": "Get Data Successfully",

"content": {

"examples": {[

"Log Time": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 10,

"TIME\_IN": "08:15:00",

"TIME\_OUT": "16:15:00",

"DATE": "2022-07-16",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00" }

},

"value": {

"id": 2,

"EMPLOYEE\_ID": 10,

"TIME\_IN": "08:15:00",

"TIME\_OUT": "16:15:00",

"DATE": "2022-07-17",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00" }

]},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get checkin/checkout time": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 10,

"TIME\_IN": "08:15:00",

"TIME\_OUT": "16:15:00",

"DATE": "2022-07-17",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00" } }

}

}

},

"description": "Get the time checkin-checkout info."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get checkin/checkout time info."

}

}

}

**Chức năng 2: Request OT: Nhân viên yêu cầu làm thêm giờ (over time) sẽ gửi yêu cầu qua hệ thống cho manager cấp 1 của nhân viên, manager nhận yêu cầu và duyệt. Thông tin yêu cầu gồm ngày OT, số giờ OT dự kiến, lý do OT**

1. **API 1: Thêm một thông tin request OT**

POST /ot-request

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/ot-request": {

"post": {

"summary": "Create New Request OT",

"operationId": "post-request-ot",

"responses": {

"200": {

"description": "OT Request Created Successfully",

"content": {

"examples": {

"New Request OT": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need OT to earn more money",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"START\_DATE": "2022-08-01",

"ESTIMATED\_HOURS": 8,

"END\_DATE": "2022-08-02",

"UNSUBMIT\_REASON": null,

"NOTIFICATION\_FLAG": true,

"OTRequestDetails": [

{

"ROT\_ID": 1,

"DATE": "2022-08-01",

"HOUR": 4

},

{

"ROT\_ID": 2,

"DATE": "2022-08-02",

"HOUR": 4

}

]

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create duplicate request OT with id 1"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Create New Request OT": {

"value": {

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need OT to earn more money",

"START\_DATE": "2022-08-01",

"ESTIMATED\_HOURS": 8,

"END\_DATE": "2022-08-02",

"NOTIFICATION\_FLAG": true,

"OTRequestDetails": [

{

"DATE": "2022-08-01",

"HOUR": 4

},

{

"DATE": "2022-08-02",

"HOUR": 4

}

]

}

}

}

}

},

"description": "Post the necessary fields for the API to create a new request OT."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Create a new request OT."

}

}

}

1. **API 2: Sửa một thông tin request OT**

PATCH /ot-requests/{ot-request-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

**Một số trường hợp sửa một thông tin request OT bất kỳ**

TH1: Người dùng thu hồi request OT đã gửi

{

"/ot-requests/{ot-request-id}": {

"patch": {

"summary": "Unsubmit Employee’s Request OT Information",

"operationId": "patch-ot-requests-requestId",

"responses": {

"200": {

"description": "Unsubmit Employee’s OT Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Request OT With Id 1": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 15,

"UNSUBMIT\_REASON": "This request OT is not suitable for me anymore",

"STATUS": "Canceled"

}

}

}

}

}

},

"404": {

"description": "Request OT Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s request OT with id 1"

}

},

"description": "Update the information of an existing request OT.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"id": 1,

"UNSUBMIT\_REASON": "This request OT is not suitable for me anymore"

}

}

},

,

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Patch request OT properties to update."

}

}

}

}

TH2: Người dùng chỉnh sửa một số thông tin của request OT trước khi gửi

{

"/ot-requests/{ot-request-id}": {

"patch": {

"summary": "Update Employee’s Request OT Information",

"operationId": "patch-ot-requests-requestId",

"responses": {

"200": {

"description": "Updated Employee’s OT Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Request OT With Id 1": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need OT to earn more money",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-19 10:30:45",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"START\_DATE": "2022-08-05",

"ESTIMATED\_HOURS": 6,

"END\_DATE": "2022-08-07",

"UNSUBMIT\_REASON": null,

"NOTIFICATION\_FLAG": false,

"OTRequestDetails": [

{

"ROT\_ID": 1,

"DATE": "2022-08-05",

"HOUR": 3

},

{

"ROT\_ID": 2,

"DATE": "2022-08-06",

"HOUR": 1

},

{

"ROT\_ID": 3,

"DATE": "2022-08-07",

"HOUR": 2

}

]

}

}

}

}

}

},

"404": {

"description": "Request OT Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s request OT with id 1"

}

},

"description": "Update the Employee’s information of an existing request OT.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"id": 1,

"START\_DATE": "2022-08-05",

"ESTIMATED\_HOURS": 6,

"END\_DATE": "2022-08-07",

"NOTIFICATION\_FLAG": false,

"OTRequestDetails": [

{

"ROT\_ID": 1,

"DATE": "2022-08-05",

"HOUR": 3

},

{

"ROT\_ID": 2,

"DATE": "2022-08-06",

"HOUR": 1

},

{

"ROT\_ID": 3,

"DATE": "2022-08-07",

"HOUR": 2

}

]

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Patch request OT properties to update."

}

}

}

}

1. **API 3: Xóa một thông tin request OT**

DELETE /ot-requests/{ot-request-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/ot-requests/{ot-request-id}": {

"delete": {

"summary": "Delete An Employee’s Request OT",

"operationId": "delete-a-request-ot",

"responses": {

"200": {

"description": "An OT Request Of Employee Has Been Delete Successfully"

},

"404": {

"description": "Employee’s OT Request Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Request OT": {

"value": {

"id": 1

}

}

}

}

},

"description": "Please enter the ID of request OT you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete a specified request OT."

}

}

}

1. **API 4: Xóa một thông tin chi tiết trong 1 request OT bất kỳ**

DELETE /ot-requests/{ot-request-id}/ot-request-details/{ot-request-detail-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

**Lưu ý khi xóa một/nhiều các thông tin chi tiết trong 1 request OT bất kỳ, cần cập nhật lại giá trị cho trường UPDATE\_DATE của OT request đó khi người dùng nhấn nút Save**

{

"/ot-requests/{ot-request-id}/ot-request-details/{ot-request-detail-id}": {

"delete": {

"summary": "Delete The Employee’s Specified Request OT Information Detail Of Specified Request OT",

"responses": {

"200": {

"description": "Delete the OT Request Detail Successfully!"

},

"404": {

"description": "Request OT Detail Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete The Employee’s Specified Request OT Information Detail Of Specified Request OT": {

"value": {

"ROT\_ID": 1,

"ROT\_REQUEST\_ID": 2

}

}

}

}

}

},

"operationId": "delete-specified-request-OT-detail-of-request-ot-id",

"description": "Delete the information of the request OT detail of specified request OT",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 5: Xem danh sách các thông tin chi tiết trong 1 request OT bất kỳ (có phân trang)**

(limit=X có nghĩa là một trang sẽ chứa tối đa X thông tin request OT’, còn offset=X có nghĩa là sẽ bỏ qua X dòng thông tin đầu tiên)

(-<field\_column> có nghĩa là sắp xếp giảm dần, +<field\_column> có nghĩa là sắp xếp tăng dần)

GET /ot-requests/{ot-request-id}/ot-request-details?limit=3&offset=3&sort\_by=-date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

"/ot-requests/{ot-request-id}/ot-request-details?limit=3&offset=3&sort\_by=-date": {

"get": {

"summary": "Get Employee’s Request OT Information Detail Of Specified Request OT Sort By DATE DESC AND PAGINATE",

"responses": {

"200": {

"description": "Request OT Details Of Request OT With Id 1 Have Been Found",

"content": {

"application/json": {

"examples": {

"Get Employee’s Request OT Information Detail Of Specified Request OT Sort By DATE DESC AND PAGINATE": {

"value": [

{

"ROTDETAIL\_ID": 1,

"ROT\_ID": 1,

"DATE": "2022-07-19",

"HOUR": 4

},

{

"ROTDETAIL\_ID": 2,

"ROT\_ID": 1,

"DATE": "2022-07-20",

"HOUR": 4

},

{

"ROTDETAIL\_ID": 3,

"ROT\_ID": 1,

"DATE": "2022-07-21",

"HOUR": 4

}

]

}

},

"metadata": {

"resultset": {

"count": 15,

"offset": 3,

"limit": 3,

"order\_column": "DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Request OT Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get OT Request Detail Of Request OT With Id = 1": {

"value": {

"ROT\_ID": 1

}

}

}

}

}

},

"operationId": "get-request-OT-details-of-request-ot-id",

"description": "Retrieve the information of all request OT details of specified request OT",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 6: Lấy danh sách các request OT hiện có (có phân trang)**

(limit=X có nghĩa là một trang sẽ chứa tối đa X thông tin request OT’, còn offset=X có nghĩa là sẽ bỏ qua X dòng thông tin đầu tiên)

(-<field\_column> có nghĩa là sắp xếp giảm dần, +<field\_column> có nghĩa là sắp xếp tăng dần)

GET /ot-requests?limit=5&offset=5&sort\_by=-create\_date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/ot-requests?limit=5&offset=5&sort\_by=-create\_date": {

"get": {

"summary": "Get All Employee’s Request OT Information Sort By CREATE\_DATE DESC AND PAGINATE",

"responses": {

"200": {

"description": "Employee’s Request OTs Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Information Request OT Sort By CREATE\_DATE": {

"value": [

{

"id": 1,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need OT to earn more money",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-19 10:30:45",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"START\_DATE": "2022-08-05",

"ESTIMATED\_HOURS": 6,

"END\_DATE": "2022-08-07"

},

{}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"CREATE\_DATE",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "Request OT Not Found"

}

},

"operationId": "get-requests-OT",

"description": "Retrieve the information of all Employee’s request OTs",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 7: Xem một thông tin OT Request bất kỳ**

GET /ot-requests/{ot-request-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/ot-requests/{ot-request-id}": {

"get": {

"summary": "Get A Specified Employee’s OT Request",

"operationId": "get-an-ot-request",

"responses": {

"200": {

"description": "An Employee’s OT Request Have Been Found",

"content": {

"application/json": {

"examples": {

"Get A Specified OT Request By OT Request Id": {

"value": [

{

"id": 1,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need OT to earn more money",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"START\_DATE": "2022-08-01",

"ESTIMATED\_HOURS": 8,

"END\_DATE": "2022-08-02",

"UNSUBMIT\_REASON": null,

"NOTIFICATION\_FLAG": true,

"OTRequestDetails": [

{

"ROT\_ID": 1,

"DATE": "2022-08-01",

"HOUR": 4

},

{

"ROT\_ID": 2,

"DATE": "2022-08-02",

"HOUR": 4

}

]

}

]

}

}

}

}

},

"404": {

"description": "OT Request Information Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"id": 1

}

}

},

"description": "Get OT Request information By Id"

},

"description": "Retrieve the information of the OT Request of Employee by id request",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 3: Request nghỉ phép: nhân viên nghỉ phép sẽ gửi yêu cầu đến manager cấp 1, nếu nhân viên nghỉ trên 3 ngày thì manager cấp 2 mới có thẩm quyền duyệt. Thông tin yêu cầu gồm ngày nghỉ, nghỉ cả ngày hay một buổi (sáng hoặc chiều), lý do nghỉ phép. Mỗi năm có 12 ngày nghỉ phép, nếu nhân viên muốn nghỉ thêm thì ngày đó không được tính lương.**

1. **API 1: Nhân viên tạo yêu cầu xin nghỉ phép.**

POST employee/create\_leave\_request

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"leave\_request/create\_leave\_request": {

"post": {

"summary": "Employee create a new leave request",

"operationId": "post\_create\_leave\_request",

"description": "Employee create leave request with the all detail about each day leave.",

"responses": {

"200": {

"description": "Leave Request Created successfully",

"content": {

"examples": {

"Create New Leave Request": {

"value": {

"RLEAVE\_ID": 1 ,

"EMPLOYEE\_ID":2,

"MANAGER\_ID": 5,

"LEAVE\_TYPE":1,

"NUMBER\_DAYS":2,

"REASON": "Covid",

"LEAVE\_FROM":"2022-07-10",

"LEAVE\_TO": "2022-07-12",

"CREATE\_DATE": "2022-07-09 19:00:00",

"UPDATE\_DATE": null,

"STATUS": "Pending",

"MANAGER\_COMMENT" :null,

"UNSUBMIT\_REASON": null

},

"LeaveRequestDetails": [

{

"RLEAVEDETAIL\_ID":1,

"RLEAVE\_ID":1,

"DATE":"2022-07-10" ,

"LEAVE\_SHIFT":"All Day"

},

{

"RLEAVEDETAIL\_ID":2,

"RLEAVE\_ID":1,

"DATE":"2022-07-11" ,

"LEAVE\_SHIFT":"All Day"

}

]

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create leave request with the same id"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Create New Leave Request": {

"value": {

"RLEAVE\_ID": 1 ,

"EMPLOYEE\_ID":2,

"MANAGER\_ID": 5,

"LEAVE\_TYPE":1,

"NUMBER\_DAYS":2,

"REASON": "Covid",

"LEAVE\_FROM":"2022-07-10",

"LEAVE\_TO": "2022-07-12",

"CREATE\_DATE": "2022-07-09 19:00:00",

"UPDATE\_DATE": null,

"STATUS": "Pending",

"MANAGER\_COMMENT" :null,

"UNSUBMIT\_REASON": null

},

"LeaveRequestDetails": [

{

"RLEAVEDETAIL\_ID":1,

"RLEAVE\_ID":1,

"DATE":"2022-07-10" ,

"LEAVE\_SHIFT":"All Day"

},

{

"RLEAVEDETAIL\_ID":2,

"RLEAVE\_ID":1,

"DATE":"2022-07-11" ,

"LEAVE\_SHIFT":"All Day"

}

]

}

}

}

},

"description": "Post the necessary fields for the API to create a new leave request."

}

}

}

}

1. **API 2: Nhân viên xem chi tiết yêu cầu nghỉ phép của mình.**

GET leave\_quest/get\_leave\_request/{request\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"leave\_quest/get\_leave\_request/{request\_id}": {

"get": {

"summary": "Get the info of the leave request",

"operationId": "get\_get\_leave\_request\_requstid",

"description": "Get all the info, include the all the details of the leave request that the employee choose",

"responses": {

"200": {

"description": "Request has been found",

"content": {

"application/json": {

"examples": {

"Get Leave Request": {

"value": {

"RLEAVE\_ID": 1 ,

"EMPLOYEE\_ID":2,

"MANAGER\_ID": 5,

"LEAVE\_TYPE":1,

"NUMBER\_DAYS":2,

"REASON": "Covid",

"LEAVE\_FROM":"2022-07-10",

"LEAVE\_TO": "2022-07-12",

"CREATE\_DATE": "2022-07-09 19:00:00",

"UPDATE\_DATE": null,

"STATUS": "Pending",

"MANAGER\_COMMENT" :null,

"UNSUBMIT\_REASON": null

},

"LeaveRequestDetails": [

{

"RLEAVEDETAIL\_ID":1,

"RLEAVE\_ID":1,

"DATE":"2022-07-10" ,

"LEAVE\_SHIFT":"All Day"

},

{

"RLEAVEDETAIL\_ID":2,

"RLEAVE\_ID":1,

"DATE":"2022-07-11" ,

"LEAVE\_SHIFT":"All Day"

}

]

}

}

}

}

},

"404": {

"description": "Request Not Found"

},

"405": {

"description": "Unable to get request info"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 4: Request WFH, nhân viên yêu cầu làm việc tại nhà**

1. **API 1: Thêm một thông tin request WFH**

POST /wfh-request

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/wfh-request": {

"post": {

"summary": "Create New Request WFH",

"operationId": "post-request-wfh",

"responses": {

"200": {

"description": "WFH Request Created Successfully",

"content": {

"examples": {

"New Request WFH": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need WFH to take care of sick family member",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"FROM\_DATE": "2022-08-01",

"TO\_DATE": "2022-08-02",

"UNSUBMIT\_REASON": null,

"NOTIFICATION\_FLAG": true,

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create duplicate request WFH with id 1"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Create New Request WFH": {

"value": {

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need WFH to take care of sick family member",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-18 23:00:00",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"FROM\_DATE": "2022-08-01",

"TO\_DATE": "2022-08-02",

"UNSUBMIT\_REASON": null,

"NOTIFICATION\_FLAG": true,

}

}

}

}

},

"description": "Post the necessary fields for the API to create a new request WFH."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Create a new request WFH."

}

}

}

1. **API 2: Sửa một thông tin request WFH**

PATCH /wfh-requests/{wfh-request-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

**Một số trường hợp sửa một thông tin request WFH bất kỳ**

**TH1: Người dùng thu hồi request WFH đã gửi**

{

"/wfh-requests/{wfh-request-id}": {

"patch": {

"summary": "Unsubmit Employee’s Request WFH Information",

"operationId": "patch-wfh-requests-requestId",

"responses": {

"200": {

"description": "Unsubmit Employee’s WFH Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Request WFH With Id 1": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 15,

"UNSUBMIT\_REASON": "This request WFH is not suitable for me anymore",

"STATUS": "Canceled"

}

}

}

}

}

},

"404": {

"description": "Request WFH Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s request WFH with id 1"

}

},

"description": "Update the information of an existing request WFH.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"UNSUBMIT\_REASON": "This request WFH is not suitable for me anymore"

}

}

},

,

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Patch request WFH properties to update."

}

}

}

}

**TH2: Người dùng chỉnh sửa một số thông tin của request WFH trước khi gửi**

{

"/wfh-requests/{wfh-request-id}": {

"patch": {

"summary": "Update Employee’s Request WFH Information",

"operationId": "patch-wfh-requests-requestId",

"responses": {

"200": {

"description": "Updated Employee’s WFH Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Request WFH With Id 1": {

"value": {

"id": 1,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need WFH to earn more money",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-19 10:30:45",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"FROM\_DATE": "2022-08-04",

"TO\_DATE": "2022-08-09",

"UNSUBMIT\_REASON": null,

"NOTIFICATION\_FLAG": false,

}

}

}

}

}

},

"404": {

"description": "Request WFH Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s request WFH with id 1"

}

},

"description": "Update the Employee’s information of an existing request WFH.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"FROM\_DATE": "2022-08-04",

"TO\_DATE": "2022-08-09",

"NOTIFICATION\_FLAG": false,

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Patch request WFH properties to update."

}

}

}

}

1. **API 3: Xóa một thông tin request WFH**

DELETE /wfh-requests/{wfh-request-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/wfh-requests/{wfh-request-id}": {

"delete": {

"summary": "Delete An Employee’s Request WFH",

"operationId": "delete-a-request-wfh",

"responses": {

"200": {

"description": "An WFH Request Of Employee Has Been Delete Successfully"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Request WFH": {

"value": {

"id": 1

}

}

}

}

},

"description": "Please enter the ID of request WFH you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete a specified request WFH."

}

}

}

1. **API 4: Lấy danh sách các request WFH hiện có (có phân trang)**

**(limit=X có nghĩa là một trang sẽ chứa tối đa X thông tin request WFH’, còn offset=X có nghĩa là sẽ bỏ qua X dòng thông tin đầu tiên)**

**(-<field\_column> có nghĩa là sắp xếp giảm dần, +<field\_column> có nghĩa là sắp xếp tăng dần)**

GET /wfh-requests?limit=5&offset=5&sort\_by=-create\_date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/-requests?limit=5&offset=5&sort\_by=-create\_date": {

"get": {

"summary": "Get All Employee Information Sort By NAME DESC AND PAGINATE",

"operationId": "get-request-s",

"responses": {

"200": {

"description": "Employee Information Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Employee Information Sort By NAME": {

"value": [

{

"id": 1,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"REASON": "Need WFH to earn more money",

"CREATE\_DATE": "2022-07-18 21:00:00",

"UPDATE\_DATE": "2022-07-19 10:30:45",

"STATUS": "Draft",

"MANAGER\_COMMENT": null,

"FROM\_DATE": "2022-08-05",

"TO\_DATE": "2022-08-07"

},

{}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"CREATE\_DATE",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "Request WFH Not Found"

}

},

"operationId": "get-requests-WFH",

"description": "Retrieve the information of all Employee’s request WFHs",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 5: Quản lý profile của nhân viên, cho biết nhân viên đang làm tại dự án nào, quản lý là ai, quá trình nhân viên tham gia các dự án trong công ty như thế nào.**

1. **API 1: Lấy danh sách các nhân viên hiện có**

(limit=X có nghĩa là một trang sẽ chứa tối đa X thông tin request OT’, còn offset=X có nghĩa là sẽ bỏ qua X dòng thông tin đầu tiên)

(-<field\_column> có nghĩa là sắp xếp giảm dần, +<field\_column> có nghĩa là sắp xếp tăng dần)

GET /users?limit=5&offset=5&sort\_by=-name

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/users?limit=5&offset=5&sort\_by=-name": {

"get": {

"summary": "Get All Employee Information Sort By NAME DESC AND PAGINATE",

"operationId": "get-employee-info-list",

"responses": {

"200": {

"description": "Employee Information List Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Employee Information Sort By NAME DESC ": {

"value": [

{

"id": 1,

"DEPART\_ID": 15,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"NAME": "Ngo Thi Thanh Thao",

"ROLE": "Full-time",

. "TITLE": "Accounting Manager",

"PHONE": "0583167035",

"EMAIL": "[baohuyen1411@gmail.com](mailto:baohuyen1411@gmail.com)",

"TYPE": "Full-time",

"TITLE": "Accounting Manager",

"ADDRESS": "32 Xã Thanh Hà, huyện Thanh Liêm, tỉnh Hà Nam",

"CMND/CCCD": "01228392"

"START\_DATE": "2022-07-09 19:00:00",

"ROLE": "Manager",

"END\_DATE": NULL

"AVATAR\_URL" :null,

"DOB": "2022-07-09",

},

{}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"CREATE\_DATE",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "Employee Information List Not Found"

}

},

"description": "Retrieve the information of all Employee",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 2: Nhân viên xem chi tiết thông tin nhân viên.**

GET user/{user\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"users/{user\_id}": {

"get": {

"summary": "Get the detail info of employee",

"operationId": "get\_detail\_employee\_info ",

"description": "Get all the info, include the all the details of the employee information that the employee choose",

"responses": {

"200": {

"description": "Request has been found",

"content": {

"application/json": {

"examples": {

"Get Employee Info": {

"value": {

"EMPLOYEE\_ID":2,

"DEPART\_ID":1,

"MANAGER\_ID": 5,

"NAME": "Mã Vân Tiên",

"EMAIL": "mavantien1301@gmail.com",

"PHONE": "0938304222",

"TYPE": "Full-time",

"TITLE": "Accounting Manager",

"ADDRESS": "32 Xã Thanh Hà, huyện Thanh Liêm, tỉnh Hà Nam",

"CMND/CCCD": "01228392"

"START\_DATE": "2022-07-09 19:00:00",

"ROLE": "Manager",

"END\_DATE": NULL

"AVATAR\_URL" :null,

"DOB": "2022-07-09",

},

}

}

},

"404": {

"description": "Request Not Found"

},

"405": {

"description": "Unable to get employee info"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 3: Xem danh sách các dự án tham gia trong trang chi tiết thông tin của một nhân viên bất kỳ**

GET /user/{user-id}/project? sort\_by=-status

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

"/user/{user-id}/project": {

"get": {

"summary": "Get Project that Employee’s Participate Of Specified Employee Information",

"responses": {

"200": {

"description": "All project that employee participate With Id 1 Have Been Found",

"content": {

"application/json": {

"examples": {

"Get Project Employee Participate": {

"value": [

{

"PROJ\_ID": 1,

"MANAGER\_ID": 1

"NAME": "Shipping and Distribution Demand Forecasting",

"DESCRIPTION": "Uses historical demand data to forecast demand",

"START\_DATE": "2022-07-20",

"ESTIMATE\_DURATION": "2022-10-20",

"COMPLETE\_PER": "50%",

"STATUS": "InProgress",

},

{

"PROJ\_ID": 2,

"MANAGER\_ID": 1

"NAME": "Shipping and Distribution Demand Forecasting",

"DESCRIPTION": "Uses historical demand data to forecast demand",

"START\_DATE": "2022-09-20",

"ESTIMATE\_DURATION": "2022-12-20",

"COMPLETE\_PER": "10%",

"STATUS": "InProgress",

},

]

}

},

"metadata": {

"resultset": {

"count": 15,

"order\_column": "STATUS",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Project That Employee Participate Is Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get Project Detail That Employee Participate": {

"value": {

"EMPLOYEE\_ID": 1,

}

}

}

}

}

},

"operationId": "get-project-of-employee-participate-id",

"description": "Retrieve the information of all project that user participate",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 4: Nhân viên xem chi tiết thông tin task trong project mà nhân viên tham gia.**

GET user/{user\_id}/project/{project\_id}/task?sort\_by=-stat

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

"/user/{user-id}/project/{project-id}/task?sort\_by=-status": {

"get": {

"summary": "Get Task in Project that Employee’s Participate Of Specified Employee Information Sort By STATUS DESC",

"responses": {

"200": {

"description": "All task that employee participate With Project Id 1 Have Been Found",

"content": {

"application/json": {

"examples": {

"Get Task Employee Do In Project": {

"value": [

{

"PROJ\_ID": 1,

"MANAGER\_ID": 1

"TASK\_ID": 1,

"NAME": "Shipping and Distribution Demand Forecasting"

"DESCRIPTION": "Uses historical demand data to forecast demand",

"STATUS": "InProgress"

"ESTIMATED\_DURATION": "1.5 days"

"REAL\_DURATION": "1 day"

"START\_DATE": "2022-10-20"

"END\_DATE": "2022-10-21"

"COMMENT": "Do task good",

},

{

"PROJ\_ID": 2,

"MANAGER\_ID": 1

"TASK\_ID": 3,

"NAME": "Shipping and Distribution Demand Forecasting"

"DESCRIPTION": "Uses historical demand data to forecast demand",

"STATUS": "InProgress"

"ESTIMATED\_DURATION": "1.5 days"

"REAL\_DURATION": "1 day"

"START\_DATE": "2022-10-20"

"END\_DATE": "2022-10-21"

"COMMENT": "Do task good",

},

]

}

},

"metadata": {

"resultset": {

"count": 15,

"order\_column": "STATUS",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Task That User Participate Is Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get Task List Detail That Employee Participate": {

"value": {

"PROJ\_ID": 1,

"EMPLOYEE\_ID": 1,

}

}

}

}

}

},

"operationId": "get-task-of-employee-participate-projectid",

"description": "Retrieve the information of all task in project that user participate ",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 5: Chỉnh sửa thông tin nhân viên**

PATCH user/{user\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/user/{user-id}": {

"patch": {

"summary": "Update Employee Information",

"operationId": "patch-employee-info-employee-id",

"responses": {

"200": {

"description": "Updated Employee Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Employee Information With Id 2": {

"value": {

"EMPLOYEE\_ID":2,

"DEPART\_ID":1,

"MANAGER\_ID": 5,

"NAME": "Mã Vân Tiên",

"EMAIL": "mavantien1301@gmail.com",

"PHONE": "0938304222",

"TYPE": "Full-time",

"TITLE": "Accounting Manager",

"ADDRESS": "32 Xã Thanh Hà, huyện Thanh Liêm, tỉnh Hà Nam",

"CMND/CCCD": "01228392"

"START\_DATE": "2022-07-09 19:00:00",

"ROLE": "Manager",

"END\_DATE": NULL

"AVATAR\_URL" :null,

"DOB": "2022-07-09",

}

}

}

}

}

},

"404": {

"description": "Employee Information Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee Information with id 1"

}

},

"description": "Update the Employee’s information",

"requestBody": {

"content": {

"application/json": {

"examples": {

"Updated Employee Information": {

"value": {

"id": 1,

"NAME": "Mã Vân Tiên",

"EMAIL": "mavantien1301@gmail.com",

"PHONE": "0938304222",

"ADDRESS": "32 Xã Thanh Hà, huyện Thanh Liêm, tỉnh Hà Nam",

"CMND/CCCD": "01228392"

"AVATAR\_URL" :null,

"DOB": "2022-07-09",

}

}

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Patch employee information properties to update."

}

}

}

}

**Chức năng 6: Đăng nhập/Đăng xuất hệ thống**

1. **API 1: Kiểm tra thông tin đăng nhập**

POST /login

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/login": {

"post": {

"summary": "Verify login account",

"operationId": "post-login-account",

"responses": {

"200": {

"description": "Login Successfully",

"content": {

"examples": {

"Verify Login Account": {

"value": {

"EMPLOYEE\_ID": 15,

"ROLE": "Manager"

"API\_KEY": "aksjfdklslslsl112",

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Verify Login Account": {

"value": {

"USERNAME": "mavantien",

"PASSWORD ": "123456",

}

}

}

}

},

"description": "Post the necessary fields for the API to verify the login account."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Verify login account"

}

}

1. **API 2: Gửi mã OTP qua email để lấy lại mật khẩu**

POST /forgotpassword

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/forgotpassword": {

"post": {

"summary": "Send OTP to your email recover password",

"operationId": "post-otp-forgot-password",

"responses": {

"200": {

"description": "Have sent OTP to your email account",

"content": {

"examples": {

"Forgot Password OTP": {

"value": {

"OTP": 154495,

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Forgot Password OTP": {

"value": {

"USERNAME": "mavantien",

}

}

}

}

},

"description": "Post the username fields for the API send OTP to your email."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Send OTP to recover password"

}

}

}

1. **API 3: Cập nhật password mới**

PATCH /user/{userid}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/user/{user-id}": {

"patch": {

"summary": "Change password for user",

"operationId": "patch-change-password",

"responses": {

"200": {

"description": "Change password successfully",

"content": {

"examples": {

"Forgot Password OTP": {

"value": {

"USERNAME": "Mã Văn Tiên",

"PASSWORD": "12324"

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Change Password With Username Ma Van Tien": {

"value": {

"USERNAME": "mavantien",

"NEW-PASSWORD": "mavantien123",

}

}

}

}

},

"description": "Patch data fields for the API change password."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Change password"

}

}

1. **API 3: Lấy token để phân quyền người dùng**

GET /user/{userid}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/user/{user-id}": {

"get": {

"summary": "Get token from username and password",

"operationId": "get-user-token",

"responses": {

"200": {

"description": "Change password successfully",

}

"content": {

"examples": {

"Get token from username mavantien123 and password mavantien123": {

"value": {

"ID\_TOKEN": "akfdjsldjfalkdfjnkdj12324ưkjwelj2342",

"ACCESS\_TOKEN": "dkdkakfdjsldjfalkdfjnkdj12324ưkjwelj234đld2"

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get token from username and password": {

"value": {

"USERNAME": "mavantien",

"PASSWORD": "mavantien123",

}

}

}

}

},

"description": "Patch data fields for the API get token."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get token for authenticate"

}

}

**Chức năng 7: Nếu nhân viên là quản lý, nhân viên có quyền chấp nhận hoặc từ chối yêu cầu từ nhân viên cấp dưới, nếu từ chối cần có lý do.**

1. **API 1: Xem các thông tin feedback của các nhân viên do quản lý đó quản lý** (quản lý không thể xem các thông tin feedback đánh giá về mình hoặc những thông tin feedback của nhân viên do người khác quản lý)

GET /feedbacks?limit=5&offset=0&sort\_by=-responded\_date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/feedbacks?limit=5&offset=0&sort\_by=-responded\_date": {

"get": {

"summary": "Get All Feedbacks That Employee Manage",

"operationId": "get-feedbacks-being-managed",

"responses": {

"200": {

"description": "All Employee’s Feedbacks Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Feedbacks That Employee Manage Sort By RESPONDED\_DATE": {

"value": [

{

"id": 2,

"EMPLOYEE\_BEINGFEEDBACK\_ID":15,

"EMPLOYEE\_FEEDBACK\_ID":8,

"RESPONDED\_DATE":"2022-07-18 22:30:12",

"CONTENT":"Chị data analyst làm việc chăm chỉ",

"STATUS":"Responded",

"DEADLINE\_FEEDBACK":"2022-07-31 23:00:00",

"EMPLOYEE\_MANAGER": 6

},

{

"id": 3,

"EMPLOYEE\_BEINGFEEDBACK\_ID":14,

"EMPLOYEE\_FEEDBACK\_ID":8,

"RESPONDED\_DATE":"1970-01-01 00:00:00",

"CONTENT":null,

"STATUS":"Not responding",

"DEADLINE\_FEEDBACK":"2022-07-31 23:00:00",

"EMPLOYEE\_MANAGER": 6

}

]

}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5,

"order\_column": "RESPONDED\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Feedback Information Not Found"

}

},

"description": "Retrieve the information of all Feedback that Employee Manage",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic ABCDJZIQOK=",

"AuthorizationType": "Basic Auth"

}

}

}

1. **API 2: Lọc các thông tin feedback của các nhân viên do quản lý đó quản lý theo năm**

GET /feedbacks?limit=5&offset=0&sort\_by=-responded\_date&responded-year=2019

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/feedbacks?limit=5&offset=0&sort\_by=-responded\_date&responed-year=2019": {

"get": {

"summary": "Filter Employee’s Managed Feedbacks By Year",

"operationId": "get-year-managed-feedbacks",

"responses": {

"200": {

"description": "The Filtered Employee’s Managed Feedbacks Have Been Found",

"content": {

"application/json": {

"examples": {

"Filtered Feedbacks That Employee Managed Sort By RESPONDED\_DATE and RESPONDED\_YEAR": {

"value": [

{

"id": 2,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 16,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2019-07-18 22:30:12",

"CONTENT": "Chị manager dễ thương",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2019-07-18 23:00:00",

"EMPLOYEE\_MANAGER": 6

},

{

"id": 3,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 14,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2019-07-18 22:30:12",

"CONTENT": "Chị data analyst làm việc chăm chỉ",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2019-07-18 23:00:00",

"EMPLOYEE\_MANAGER": 6

}

]

}

},

"metadata": {

"resultset": {

"count": 2,

"offset": 0,

"limit": 5,

"order\_column": "RESPONDED\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Feedback Information Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"responded-year": "2019"

}

}

},

"description": "Get Feedback information Filtered By Year"

},

"description": "Retrieve the information of Feedback Managed by Employee by year",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic ABCDJZIQOK=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 3: Duyệt yêu cầu từ nhân viên cấp dưới gửi lên như :Approved, Rejected (Cần lý do),...**

PATCH request/verify\_request/{request\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"request/verify\_request/{request\_id}": {

"patch": {

"summary": "Manager verify request sent by the employee",

"operationId": "patch\_verify\_request\_requestid",

"description": "Manager can either approve, reject the request sent by employee.",

"responses": {

"200": {

"description": "Request Status Update Successfully",

"content": {

"application/json": {

"examples": {

"Update Request Status": {

"value": {

"RLEAVE\_ID": 1,

"STATUS":"Approved" //nếu Rejected thì cần thêm trường manager\_comment để ghi lý do từ chối

}

}

}

}

}

},

"404": {

"description": "Request Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to Update Request Status"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"RLEAVE\_ID": 1,

"STATUS":"Approved" //nếu Rejected thì cần thêm trường manager\_comment để ghi lý do từ chối

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic ABCDKZII10AZ=",

"AuthorizationType": "Basic Auth"

},

"description": "Update an existing request status."

}

}

}

}

1. **API 4: Xem danh sách yêu cầu từ cấp dưới gửi lên**

GET request/get\_requests?limit=5&offset=5&sort\_by=-create\_date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"request/get\_requests": {

"get": {

"summary": "Get all the request sent to the manager by the employee",

"operationId": "get\_get\_requests",

"description": "List all the request sent by the employees that are managed by the manager",

"responses": {

"200": {

"description": "Requests has been found",

"content": {

"application/json": {

"examples": {

"Get All The Request": {

"value": [

{

"RLEAVE\_ID": 1 ,

"EMPLOYEE\_ID":2,

"MANAGER\_ID": 5,

"LEAVE\_TYPE":1,

"NUMBER\_DAYS":2,

"REASON": "Covid",

"LEAVE\_FROM":"2022-07-10",

"LEAVE\_TO": "2022-07-12",

"CREATE\_DATE": "2022-07-09 19:00:00",

"UPDATE\_DATE": null,

"STATUS": "Pending",

"MANAGER\_COMMENT" :null,

"UNSUBMIT\_REASON": null

},

{

//request khác như OT,...

}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"CREATE\_DATE",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "Requests Not Found"

},

"405": {

"description": "Unable to find requests"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 9: Nhân viên có thể theo dõi các thông tin của công ty nếu muốn, ví dụ công ty đang tuyển những vị trí nào, công ty gần đây có những hoạt động xã hội nào,…..**

1. **API 1: Nhân viên Manager thông tin tạo bài viết mới trên bảng tin công ty.**

POST /post/upload\_information\_post

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/upload\_information\_post": {

"post": {

"summary": "Create New Information Post",

"operationId": "upload\_information\_post",

"responses": {

"200": {

"description": "Post successfully",

"content": {

"examples": {

"New Post": {

"value": {

"POST\_ID": 7,

"MANAGER\_ID": 15,

"CATEGORIES\_ID": 1,

"TITLE": "Danh sách các vị trí cần tuyển quý 4 năm 2021",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Đây là danh sách các vị trí công ty cần tuyển dụng trong quý 4 năm 2021: QA/QC: 2 người. Ai có nhu cầu hoặc muốn giới thiệu ứng tuyển hãy liên hệ phòng nhân sự. Xin cảm ơn.",

"TOTAL\_LIKES": 0,

"TOTAL\_SUBCRIBERS": null

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create duplicate post with the same give ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"New Post": {

"value": {

"POST\_ID": 7,

"MANAGER\_ID": 15,

"CATEGORIES\_ID": 1,

"TITLE": "Danh sách các vị trí cần tuyển quý 4 năm 2021",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Đây là danh sách các vị trí công ty cần tuyển dụng trong quý 4 năm 2021: QA/QC: 2 người. Ai có nhu cầu hoặc muốn giới thiệu ứng tuyển hãy liên hệ phòng nhân sự. Xin cảm ơn.",

"TOTAL\_LIKES": 0,

"TOTAL\_SUBCRIBERS": null

}

}

}

}

},

"description": "Post the necessary fields for the API to create a new post."

},

"description": "Create New Information Post."

}

1. **API 2: Nhân viên Manager thông tin cập nhật bài viết trên bảng tin công ty.**

PATCH /post/update\_information\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/update\_information\_post/{post\_id}": {

"patch": {

"summary": "Update Information in Post",

"operationId": "patch\_update\_information\_post\_postid",

"responses": {

"200": {

"description": "Post Update Successfully",

"content": {

"application/json": {

"examples": {

"Updated Post With Given Id": {

"value": {

"POST\_ID": 7,

"MANAGER\_ID": 15,

"CATEGORIES\_ID": 1,

"TITLE": "Danh sách các vị trí cần tuyển quý 4 năm 2021..........",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": "2021-09-11 21:00:00",

"CONTENT": "Đây là danh sách các vị trí công ty cần tuyển dụng trong quý 4 năm 2021: QA/QC: 2 người. Ai có nhu cầu hoặc muốn giới thiệu ứng tuyển hãy liên hệ phòng nhân sự. Xin cảm ơn.",

"TOTAL\_LIKES": 0,

"TOTAL\_SUBCRIBERS": null

}

}

}

}

}

},

"404": {

"description": "Post Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to Update Post"

}

},

"description": "Update the information of an existing Post.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"POST\_ID": 7,

"MANAGER\_ID": 15,

"CATEGORIES\_ID": 1,

"TITLE": "Danh sách các vị trí cần tuyển quý 4 năm 2021..........",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": "2021-09-11 21:00:00",

"CONTENT": "Đây là danh sách các vị trí công ty cần tuyển dụng trong quý 4 năm 2021: QA/QC: 2 người. Ai có nhu cầu hoặc muốn giới thiệu ứng tuyển hãy liên hệ phòng nhân sự. Xin cảm ơn.",

"TOTAL\_LIKES": 0,

"TOTAL\_SUBCRIBERS": null

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic ABCDKZII10AZ=",

"AuthorizationType": "Basic Auth"

},

"description": "Update the information of an existing Post."

}

}

}

}

1. **API 3: Nhân viên Manager thông tin xóa bài viết trên bảng tin công ty.**

DELETE /post/delete\_information\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/delete\_information\_post/{post\_id}": {

"delete": {

"summary": "Delete An Post",

"operationId": "delete\_information\_post\_postid",

"responses": {

"200": {

"description": "Post Delete Successfully"

},

"404": {

"description": "Post Not Found"

},

"405": {

"description": "Unable to delete post with the given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Post": {

"value": {

"POST\_ID": 7

}

}

}

}

},

"description": "Please enter the ID of THE Post you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete a specified Post"

}

}

}

1. **API 4: Nhân viên xem toàn bộ bài viết trên bảng tin công ty.**

GET /post/list\_all\_information\_post

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/list\_all\_information\_post": {

"get": {

"summary": "List all the available post from the system, sort by create date",

"operationId": "list\_all\_information\_post",

"description": "Get All The Post In Database And List Them To The User",

"responses": {

"200": {

"description": "Posts has been found",

"content": {

"application/json": {

"examples": {

"List All The Post Sort By CREATE\_DATE": {

"value": [

{

"POST\_ID": 7,

"MANAGER\_ID": 15,

"CATEGORIES\_ID": 1,

"TITLE": "Danh sách các vị trí cần tuyển quý 4 năm 2021",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Đây là danh sách các vị trí công ty cần tuyển dụng trong quý 4 năm 2021: QA/QC: 2 người. Ai có nhu cầu hoặc muốn giới thiệu ứng tuyển hãy liên hệ phòng nhân sự. Xin cảm ơn.",

"TOTAL\_LIKES": 5,

"TOTAL\_SUBCRIBERS": null

},

{

//another post

}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"CREATE\_DATE",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "Posts Not Found"

},

"405": {

"description": "Unable to list posts"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 5: Nhân viên tìm kiếm bài viết theo tên trên bảng tin công ty.**

GET /post/find\_information\_post/{post\_title}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/find\_information\_post/{post\_title}": {

"get": {

"summary": "Find the available post from the system",

"operationId": "find\_information\_post\_posttitle",

"description": "Find the available posts from the system with the matching title with the give title, sort by create date",

"responses": {

"200": {

"description": "Posts has been found",

"content": {

"application/json": {

"examples": {

"List All The Post Sort By CREATE\_DATE": {

"value": [

{

"POST\_ID": 7,

"MANAGER\_ID": 15,

"CATEGORIES\_ID": 1,

"TITLE": "Danh sách các vị trí cần tuyển quý 4 năm 2021",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Đây là danh sách các vị trí công ty cần tuyển dụng trong quý 4 năm 2021: QA/QC: 2 người. Ai có nhu cầu hoặc muốn giới thiệu ứng tuyển hãy liên hệ phòng nhân sự. Xin cảm ơn.",

"TOTAL\_LIKES": 5,

"TOTAL\_SUBCRIBERS": null

},

{

//another post

}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"CREATE\_DATE",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "Posts Not Found"

},

"405": {

"description": "Unable to find posts"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 6: Nhân viên xem chi tiết bài viết trên bảng tin công ty.**

GET /post/get\_information\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/get\_information\_post/{post\_id}": {

"get": {

"summary": "Get all the information post from the system",

"operationId": "get\_information\_post\_postid",

"description": "Get all the information post from the system with the given id",

"responses": {

"200": {

"description": "Post has been found",

"content": {

"application/json": {

"examples": {

"Get All The Post Information": {

"value":

{

"POST\_ID": 7,

"MANAGER\_ID": 15,

"CATEGORIES\_ID": 1,

"TITLE": "Danh sách các vị trí cần tuyển quý 4 năm 2021",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Đây là danh sách các vị trí công ty cần tuyển dụng trong quý 4 năm 2021: QA/QC: 2 người. Ai có nhu cầu hoặc muốn giới thiệu ứng tuyển hãy liên hệ phòng nhân sự. Xin cảm ơn.",

"TOTAL\_LIKES": 5,

"TOTAL\_SUBCRIBERS": null

}

}

}

}

}

},

"404": {

"description": "Post Not Found"

},

"405": {

"description": "Unable to get post info"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 7: Nhân viên thích bài viết trên bảng tin công ty.**

PATCH /post/like\_information\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

(unlike bằng cách cộng (-1))

{

"/post/like\_information\_post/{post\_id}": {

"patch": {

"summary": "Update Post's Total Like Number",

"operationId": "patch\_like\_information\_post\_postid",

"responses": {

"200": {

"description": "Post Update Successfully",

"content": {

"application/json": {

"examples": {

"Like Post With Given Id": {

"value": {

"POST\_ID": 7,

"TOTAL\_LIKES": "TOTAL\_LIKES" + 1

}

}

}

}

}

},

"404": {

"description": "Post Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to Update Post"

}

},

"description": "Like an existing Post.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"POST\_ID": 7,

"TOTAL\_LIKES": "TOTAL\_LIKES" + 1

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic ABCDKZII10AZ=",

"AuthorizationType": "Basic Auth"

},

"description": "Like an existing Post."

}

}

}

}

1. **API 8: Nhân viên Manager thông tin thêm media content cho bài viết trên bảng tin công ty.**

POST /post/upload\_media\_content\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/upload\_media\_content\_post/{post\_id}": {

"post": {

"summary": "Upload New Media Content For Post",

"operationId": "post\_upload\_media\_content\_post\_postid/",

"responses": {

"200": {

"description": "Upload Media Content successfully",

"content": {

"examples": {

"New Post's Media content": {

"value": {

"POST\_ID": 7,

"MEDIA\_CONTENT\_ID": 1,

"TITLE": "Ảnh minh họa tuyển dụng",

"URL":"https://post/media\_content/recruit/01.jpg",

"CREATE\_DATE": "2021-09-10 22:00:00",

"UPDATE\_DATE": null

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to upload media content with the same given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"New Post's Media Content": {

"value": {

"POST\_ID": 7,

"MEDIA\_CONTENT\_ID": 1,

"TITLE": "Ảnh minh họa tuyển dụng",

"URL":"https://post/media\_content/recruit/01.jpg",

"CREATE\_DATE": "2021-09-10 22:00:00",

"UPDATE\_DATE": null

}

}

}

}

},

"description": "Post the necessary fields for the API to upload a new post's media content."

},

"description": "Upload New Media Content For Post."

}

}

}

1. **API 9: Nhân viên Manager thông tin cập nhật media content cho bài viết trên bảng tin công ty.**

PATCH /post/update\_media\_content\_post/{post\_id}/{media\_content\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/update\_media\_content\_post/{post\_id}/{media\_content\_id}": {

"patch": {

"summary": "Update Post's Media Content",

"operationId": "patch\_update\_media\_content\_post\_postid\_mediaid",

"responses": {

"200": {

"description": "Post's Media Content Update Successfully",

"content": {

"application/json": {

"examples": {

"Update Post's Media Content With Given Post\_Id And Media\_Id": {

"value": {

"POST\_ID": 7,

"MEDIA\_CONTENT\_ID": 1,

"TITLE": "Ảnh minh họa tuyển dụng mới",

"URL":"https://post/media\_content/recruit/02.jpg",

"UPDATE\_DATE": "2021-09-10 22:00:00"

}

}

}

}

}

},

"404": {

"description": "Post or Media Content Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to Update Post's Media Content"

}

},

"description": "Update an existing Post's Media Content.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"POST\_ID": 7,

"MEDIA\_CONTENT\_ID": 1,

"TITLE": "Ảnh minh họa tuyển dụng mới",

"URL":"https://post/media\_content/recruit/02.jpg",

"UPDATE\_DATE": "2021-09-10 22:00:00"

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic ABCDKZII10AZ=",

"AuthorizationType": "Basic Auth"

},

"description": "Update an existing Post's Media Content."

}

}

}

}

1. **API 10: Nhân viên Manager thông tin xóa media content cho bài viết trên bảng tin công ty.**

DELETE /post/delete\_media\_content\_post/{post\_id}/{media\_content\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/delete\_media\_content\_post/{post\_id}/{media\_content\_id}": {

"delete": {

"summary": "Delete An Post's Media Content",

"operationId": "delete\_media\_content\_post\_postid\_mediaid",

"description": "Delete a specified Post's Media Content",

"responses": {

"200": {

"description": "Post's Media Content Delete Successfully"

},

"404": {

"description": "Post or Media Content Not Found"

},

"405": {

"description": "Unable to delete post's media content with the given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Post's Media Content": {

"value": {

"POST\_ID": 7,

"MEDIA\_CONTENT\_ID":1

}

}

}

}

},

"description": "Please enter the ID of The Post and Media Content you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 11: Nhân viên Manager thông tin lấy dữ liệu media content cho bài viết trên bảng tin công ty.**

GET /post/get\_media\_content\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/get\_media\_content\_post/{post\_id}": {

"get": {

"summary": "Get all media content of the information post from the system",

"operationId": "get\_media\_content\_post\_postid",

"description": "Get all media content of the information post from the system with the given id",

"responses": {

"200": {

"description": "Media Contents has been found",

"content": {

"application/json": {

"examples": {

"Get All The Post's Media Content": {

"value": [

{

"POST\_ID": 7,

"MEDIA\_CONTENT\_ID": 1,

"TITLE": "Ảnh minh họa tuyển dụng",

"URL":"https://post/media\_content/recruit/01.jpg",

"CREATE\_DATE": "2021-09-10 22:00:00",

"UPDATE\_DATE": null

},

{

//Media content

}

]

}

}

}

}

},

"404": {

"description": "Media Content Not Found"

},

"405": {

"description": "Unable to get media content"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 12: Nhân viên bình luận bài viết trên bảng tin công ty.**

POST /post/write\_comment\_information\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/write\_comment\_information\_post/{post\_id}": {

"post": {

"summary": "Comment on Post",

"operationId": "write\_comment\_information\_post\_postid/",

"description": "Write comment on the post with the given postid.",

"responses": {

"200": {

"description": "Comment successfully",

"content": {

"examples": {

"New Comment": {

"value": {

"POST\_ID": 7,

"COMMENT\_ID": 1,

"CONTENT":"YEAH!",

"CREATE\_DATE": "2021-09-10 22:10:00",

"UPDATE\_DATE": null,

"LIKE\_STATUS":0

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create commnet with the same given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"New Comment": {

"value": {

"POST\_ID": 7,

"COMMENT\_ID": 1,

"CONTENT":"YEAH!",

"CREATE\_DATE": "2021-09-10 22:00:00",

"UPDATE\_DATE": null,

"LIKE\_STATUS":0

}

}

}

}

},

"description": "Post the necessary fields for the API to create a new comment on the post."

}

}

}

}

1. **API 13: Nhân viên sửa bình luận của mình trên bài viết trên bảng tin công ty.**

PATCH /post/update\_comment\_information\_post/{post\_id}/{comment\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

" /post/update\_comment\_information\_post/{post\_id}/{comment\_id}": {

"patch": {

"summary": "Update Post's Comment",

"operationId": "patch\_update\_comment\_information\_post\_postid\_commentid",

"description": "Update an existing Post's comment with the given postid and commentid.",

"responses": {

"200": {

"description": "Comment Update Successfully",

"content": {

"application/json": {

"examples": {

"Update Comment": {

"value": {

"POST\_ID": 7,

"COMMENT\_ID": 1,

"CONTENT":"YEAH!!!!!!!!!!!!!!!",

"CREATE\_DATE": "2021-09-10 22:00:00",

"UPDATE\_DATE": "2021-09-11 22:00:00",

"LIKE\_STATUS":0

}

}

}

}

}

},

"404": {

"description": "Post or Comment Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to Update Comment"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"POST\_ID": 7,

"COMMENT\_ID": 1,

"CONTENT":"YEAH!!!!!!!!!!!!!!!",

"CREATE\_DATE": "2021-09-10 22:00:00",

"UPDATE\_DATE": "2021-09-11 22:00:00",

"LIKE\_STATUS":0

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic ABCDKZII10AZ=",

"AuthorizationType": "Basic Auth"

},

"description": "Update an existing comment."

}

}

}

}

1. **API 14: Nhân viên xóa bình luận của mình trên bài viết trên bảng tin công ty.**

DELETE /post/delete\_comment\_information\_post/{post\_id}/{comment\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/delete\_comment\_information\_post/{post\_id}/{comment\_id}": {

"delete": {

"summary": "Delete A Post's Comment",

"operationId": "delete\_comment\_information\_post\_postid\_commentid",

"description": "Delete a specified Post's Comment",

"responses": {

"200": {

"description": "Post's Comment Delete Successfully"

},

"404": {

"description": "Post or Comment Not Found"

},

"405": {

"description": "Unable to delete post's comment with the given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Post's Comment": {

"value": {

"POST\_ID": 7,

"COMMENT\_ID":1

}

}

}

}

},

"description": "Please enter the ID of The Post and Comment you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 15: Nhân viên xem tất cả bình luận trên bài viết trên bảng tin công ty.**

GET /post/get\_comment\_information\_post/{post\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/get\_comment\_information\_post/{post\_id}": {

"get": {

"summary": "Get all comment of the information post from the system",

"operationId": "get\_comment\_information\_post\_postid",

"description": "Get all comment of the information post from the system with the given id",

"responses": {

"200": {

"description": "Post's Comment has been found",

"content": {

"application/json": {

"examples": {

"Get All The Post's Comment": {

"value": [

{

"POST\_ID": 7,

"COMMENT\_ID": 1,

"CONTENT":"YEAH!",

"CREATE\_DATE": "2021-09-10 22:00:00",

"UPDATE\_DATE": null,

"LIKE\_STATUS":0

},

{

//Comment

}

]

}

}

}

}

},

"404": {

"description": "Post's Comment Not Found"

},

"405": {

"description": "Unable to get Comment"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 16: Nhân viên subscribe thể loại tin mình muốn trên bảng tin công ty.**

POST /post/subcribe\_categories/{categories\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/subcribe\_categories/{categories\_id}": {

"post": {

"summary": "Employee subscribe on a categories",

"operationId": "post\_subcribe\_categories\_categoriesid/",

"description": "Employee subscribe on a categories they want to receive notification.",

"responses": {

"200": {

"description": "Subscribe successfully",

"content": {

"examples": {

"Subscribe New Categories": {

"value": {

"SUBSCRIBE\_ID": 1,

"EMPLOYEE\_ID": 4,

"CATEGORIES\_ID":5,

"SUBCRIBE\_DATE": "2021-09-01 10:00:00",

"NOTIFICATION\_FLAG": 0

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to subcribe with the same id"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Subscribe New Categories": {

"value": {

"SUBSCRIBE\_ID": 1,

"EMPLOYEE\_ID": 4,

"CATEGORIES\_ID":5,

"SUBCRIBE\_DATE": "2021-09-01 10:00:00",

"NOTIFICATION\_FLAG": 0

}

}

}

}

},

"description": "Post the necessary fields for the API to subscribe a new categories."

}

}

}

}

1. **API 17: Nhân viên unsubscribe thể loại tin mình đã subscribe trên bảng tin công ty.**

DELETE /post/unsubcribe\_categories/{categories\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/unsubcribe\_categories/{categories\_id}": {

"delete": {

"summary": "Unsubscribe from a Categories",

"operationId": "delete\_unsubcribe\_categories\_categoriesid",

"description": "Unsubscribe from a Categories",

"responses": {

"200": {

"description": "Unsubscribe Successfully"

},

"404": {

"description": "Employee doesn't subscribe to this categories"

},

"405": {

"description": "Unable to unsubscribe with the given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Post's Comment": {

"value": {

"EMPLOYEE\_ID": 4,

"CATEGORIES\_ID":5

}

}

}

}

},

"description": "Please enter the ID of The Employee and Categories you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 10: Nhân viên có thể xem lại lịch sử nghỉ phép, số phép còn lại trong năm**

1. **API 1: Lấy danh sách toàn bộ thông tin nghỉ phép hiện có của nhân viên đó (không lọc và không có điều kiện tìm kiếm - có phân trang)**

**Dấu - có nghĩa là sắp xếp giảm dần. Dấu + là sắp xếp tăng dần**

GET /leaves?limit=10&offset=10&sort\_by=-create\_date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/leaves?/leaves?limit=10&offset=10&sort\_by=-create\_date": {

"get": {

"summary": "Get All Employee’s Leaves Information Sort By CREATE\_DATE DESC AND PAGINATE",

"operationId": "get-leaves-information",

"responses": {

"200": {

"description": "Employee’s Leaves Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Information Leave Sort By CREATE\_DATE": {

"value": [

{

"id": 5,

"EMPLOYEE\_ID": 15,

"LEAVE\_TYPE": 1,

"CREATE\_DATE": "2022-07-07 12:50:00",

"STATUS": "Canceled",

"MANAGER\_COMMENT": "None",

"LEAVE\_FROM": "2022-08-01",

"LEAVE\_TO": "2022-08-02"

},

{

"id": 6,

"EMPLOYEE\_ID": 15,

"LEAVE\_TYPE\_ID": 1,

"CREATE\_DATE": "2022-06-07 12:50:00",

"STATUS": "Approved",

"MANAGER\_COMMENT": "None",

"LEAVE\_FROM": "2022-07-01",

"LEAVE\_TO": "2022-07-02"

},

{....}

]

}

},

"metadata": {

"resultset": {

"count": 120, // <-- count of number of returned records

"offset": 10, //current offset

"limit": 10, // page limit

"order\_column": "CREATE\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Leave Not Found"

}

},

"description": "Retrieve the information of all Employee’s Leaves",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 2:** Tìm kiếm thông tin nghỉ phép

GET/leaves?limit=10&offset=0&sort\_by=-create\_date&leave\_type=2&leave\_from=2022-08-01

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/leaves?limit=10&offset=0&sort\_by=-create\_date&leave\_type=2&leave\_from=2022-08-01": {

"get": {

"summary": "Search Employee’s Leaves Information",

"operationId": "search-leaves-information",

"responses": {

"200": {

"description": "Specified Employee’s Leaves Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Information Leave Sort By CREATE\_DATE": {

"value": [

{

"id": 8,

"EMPLOYEE\_ID": 15,

"LEAVE\_TYPE": 2,

"CREATE\_DATE": "2022-07-07 12:50:00",

"STATUS": "Draft",

"MANAGER\_COMMENT": "None",

"LEAVE\_FROM": "2022-08-01",

"LEAVE\_TO": "2022-08-02"

}

]

}

},

"metadata": {

"resultset": {

"count": 1,

"offset": 0,

"limit": 10,

"order\_column": "CREATE\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Leave Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"LEAVE\_TYPE": 2,

"LEAVE\_FROM": "2022-08-01"

}

}

},

"description": "Search leaves information"

},

"description": "Retrieve the information of all Employee’s Leaves By Condition(s)",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 3:** Xóa 1 thông tin nghỉ phép bất kỳ

DELETE /leaves/{leave-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/leaves/{leave-id}": {

"delete": {

"summary": "Delete An Employee’s Leave Information",

"operationId": "delete-a-leave-Information",

"responses": {

"200": {

"description": "Employee Leave Information Has Been Delete Successfully"

},

"404": {

"description": "Employee’s Leave Information Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Request OT": {

"value": {

"id": 5

}

}

}

}

},

"description": "Please enter the ID of leave information you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete a specified leave information."

}

}

}

1. **API 4**: Sửa 1 thông tin nghỉ phép bất kỳ

PATCH /leaves/{leave-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

TH1: Nhân viên thu hồi yêu cầu nghỉ phép

{

"/leaves/{leave-id}": {

"patch": {

"summary": "Update Employee’s Leave Information",

"operationId": "patch-leave-information-by-id",

"responses": {

"200": {

"description": "Updated Employee’s Leave Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Leave Information With Id 5": {

"value": {

"id": 5,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"LEAVE\_TYPE": 1,

"CREATE\_DATE": "2022-07-07 12:50:00",

"UPDATE\_DATE": "2022-07-07 13:45:00",

"STATUS": "Canceled",

"MANAGER\_COMMENT": "None",

"NUMBER\_DAYS": 2,

"REASON": "I need to go to the hospital",

"LEAVE\_FROM": "2022-08-01",

"LEAVE\_TO": "2022-08-02",

"UNSUBMIT\_REASON": "Không muốn nghỉ phép nữa nên thu hồi",

"REQUEST LEAVE DETAIL": [

{

"id": 1,

"DATE": "2022-08-01",

"LEAVE\_SHIFT": "All day"

},

{

"id": 2,

"DATE": "2022-08-02",

"LEAVE\_SHIFT": "All day"

}

]

}

}

}

}

}

},

"404": {

"description": "Leave Information Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s leave information with id 5"

}

},

"description": "Update the Employee’s information of an existing leave.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"id": 5,

"UNSUBMIT\_REASON": "Không muốn nghỉ phép nữa nên thu hồi"

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Patch leave properties to update."

}

}

}

}

TH2: Nhân viên chỉnh sửa yêu cầu nghỉ phép trước khi gửi

{

"/leaves/{leave-id}": {

"patch": {

"summary": "Update Employee’s Leave Information",

"operationId": "patch-leave-information-by-id",

"responses": {

"200": {

"description": "Updated Employee’s Leave Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Leave Information With Id 5": {

"value": {

"id": 5,

"EMPLOYEE\_ID": 15,

"MANAGER\_ID": 6,

"LEAVE\_TYPE": 1,

"CREATE\_DATE": "2022-07-07 12:50:00",

"UPDATE\_DATE": "2022-07-07 13:45:00",

"STATUS": "Draft",

"MANAGER\_COMMENT": "None",

"NUMBER\_DAYS": 2,

"REASON": "I need to go to the hospital",

"LEAVE\_FROM": "2022-08-01",

"LEAVE\_TO": "2022-08-02",

"UNSUBMIT\_REASON": null,

"REQUEST LEAVE DETAIL": [

{

"id": 1,

"DATE": "2022-08-01",

"LEAVE\_SHIFT": "All day"

},

{

"id": 2,

"DATE": "2022-08-02",

"LEAVE\_SHIFT": "All day"

}

]

}

}

}

}

}

},

"404": {

"description": "Leave Information Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s leave information with id 5"

}

},

"description": "Update the Employee’s information of an existing leave.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"id": 5,

"NUMBER\_DAYS": 2,

"LEAVE\_FROM": "2022-07-31",

"LEAVE\_TO": "2022-08-01",

"REQUEST LEAVE DETAIL": [

{

"id": 1,

"DATE": "2022-07-31",

"LEAVE\_SHIFT": "All day"

},

{

"id": 2,

"DATE": "2022-08-01",

"LEAVE\_SHIFT": "Afternoon"

}

]

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Patch leave properties to update."

}

}

}

}

1. **API 5**: **Xem thông tin lịch sử nghỉ phép (leave history)**

GET /leave-histories

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/leave-stories": {

"get": {

"summary": "Get Employee's Leave Stories",

"operationId": "get-employee-leave-histories",

"description": "Get all leave stories for an employee",

"responses": {

"200": {

"description": "Employee’s Leave Histories Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Employee's Leave Histories": {

"value": [

{

"EMPLOYEE\_ID": 15,

"LEAVE\_TYPE": 1,

"USED\_DAY": 2,

"REMAINING\_DAY": 14,

"COMMENT": null,

"TOTAL\_DAY": 16,

"DESCRIPTION":"Annual-Leave"

},

{

"EMPLOYEE\_ID": 15,

"LEAVE\_TYPE": 2,

"USED\_DAY": 0,

"REMAINING\_DAY": 6,

"COMMENT": null,

"TOTAL\_DAY": 6,

"DESCRIPTION":"Personal Leave"

},

{...}

]

}

}

}

}

},

"404": {

"description": "Cannot find employee's histories"

},

"405": {

"description": "Unable to get employee's histories"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 6: Lọc thông tin lịch sử nghỉ phép theo năm**

GET /leave-histories?filter-by=leave\_to&leave\_to=2022

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/leave-stories?filter\_by=leave\_to&leave\_to=2022": {

"get": {

"summary": "Get Employee's Leave Stories",

"operationId": "get-employee-leave-histories",

"description": "Get all leave stories for an employee",

"responses": {

"200": {

"description": "Employee’s Leave Histories Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Employee's Leave Histories": {

"value": [

{

"EMPLOYEE\_ID": 15,

"LEAVE\_TYPE": 1,

"USED\_DAY": 0,

"REMAINING\_DAY": 16,

"COMMENT": “Khum có”,

"TOTAL\_DAY": 16,

"DESCRIPTION":"Annual-Leave"

},

{

"EMPLOYEE\_ID": 15,

"LEAVE\_TYPE": 2,

"USED\_DAY": 2,

"REMAINING\_DAY": 4,

"COMMENT": “Khum có”,

"TOTAL\_DAY": 6,

"DESCRIPTION":"Personal Leave"

},

{...}

]

}

},

"metadata":{

"filter\_by": "LEAVE\_TO",

"year\_leave\_to":"2022"

}

}

}

},

"404": {

"description": "Cannot find employee's histories"

},

"405": {

"description": "Unable to get employee's histories"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"year\_leave\_to": "2022”

}

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 12: Quản lý timesheet cho nhân viên**

* + - 1. **API 1: Nhân viên xem thông tin timesheet.**

GET /timesheet?limit=5&offset=0

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/timesheet?limit=5&offset=0": {

"get": {

"summary": "Get timesheet",

"operationId": "get-timesheet",

"responses": {

"200": {

"description": "Get Data Successfully",

"content": {

"examples": {[

"Timesheet": {

"value": {

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Draft",

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

]}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get timesheet": {

"value": {

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Draft",

"MEDIA\_CONTENTID": []

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

},

"description": "Get the timesheets."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get timesheets."

}

}

}

* + - 1. **API 2: Nhân viên thêm/cập nhật thông tin timesheet và bấm nút Save.**

POST /timesheet\_post/{timesheet\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/timesheet\_post/{timesheet\_id}": {

"post": {

"summary": "Insert/Update timesheet",

"operationId": "insert-update-timesheet",

"responses": {

"200": {

"description": "Insert/Update Timesheet Successfully",

"content": {

"examples": {[

"Timesheet": {

"value": {

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Draft",

"TYPE": "Insert"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

}

]}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get document": {

"value": {

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Draft",

"TYPE": "Insert"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

},

"description": "Insert/Update timesheet."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Insert/Update timesheet."

}

}

}

* + - 1. **API 3: Nhân viên thêm/cập nhật thông tin timesheet và bấm nút Submit.**

POST /timesheet\_post/{timesheet\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/timesheet\_post/{timesheet\_id}": {

"post": {

"summary": "Insert/Update timesheet",

"operationId": "insert-update-timesheet",

"responses": {

"200": {

"description": "Insert/Update Timesheet Successfully",

"content": {

"examples": {[

"Timesheet": {

"value": {

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Draft",

"TYPE": "Insert"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

},

}

]}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Insert/Update document": {

"value": {

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Pending",

"TYPE": "Insert"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

},

"description": "Insert/Update timesheet."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Insert/Update timesheets."

}

}

}

* + - 1. **API 4: Nhân viên xóa timesheet.**

DELETE /post/delete\_timesheet/{timesheetdetail\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/delete\_timesheet/{timesheetdetail\_id}": {

"delete": {

"summary": "Delete detail timesheet",

"operationId": "delete\_detail\_timesheet",

"responses": {

"200": {

"description": "Timesheet Delete Successfully"

},

"404": {

"description": "Timesheet Not Found"

},

"405": {

"description": "Unable to delete timesheet with the given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A TimeSheet": {

"value": {

"TIMESHEET\_ID": 1,

"TIMESDETAIL\_ID": 2

}

}

}

}

},

"description": "Please choose the TimeSheet you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete a specific timesheet"

}

}

}

* + - 1. **API 5: Nhân viên quản lý xem thông tin timesheet của nhân viên.**

GET /timesheet/{employee\_id}?limit=5&offset=0

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/timesheet/{employee\_id}?limit=5&offset=0": {

"get": {

"summary": "Get timesheet",

"operationId": "get-timesheet",

"responses": {

"200": {

"description": "Get Data Successfully",

"content": {

"examples": {[

"Timesheet": {

"value": {

"EMPLOYEE\_ID": 1,

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Draft",

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

]}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get timesheet": {

"value": {

"EMPLOYEE\_ID": 1,

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Draft"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

},

"description": "Get the timesheets."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get timesheets."

}

}

}

* + - 1. **API 6: Nhân viên quản lý duyệt thông tin timesheet của nhân viên.**

POST /check-timesheet/{employee\_id}?limit=5&offset=0

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/check-timesheet/{employee\_id}?limit=5&offset=0": {

"post": {

"summary": "Check timesheet",

"operationId": "check-timesheet",

"responses": {

"200": {

"description": "Check Timesheet Successfully",

"content": {

"examples": {[

"Timesheet": {

"value": {

"EMPLOYEE\_ID": 1,

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Agree",

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

]}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get timesheet": {

"value": {

"EMPLOYEE\_ID": 1,

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Agree"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

},

"description": "Get the timesheets."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get timesheets."

}

}

}

1. **API 7: Nhân viên quản lý từ chối timesheet của nhân viên.**

POST /deny-timesheet/{employee\_id}?limit=5&offset=0

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/deny-timesheet/{employee\_id}?limit=5&offset=0": {

"get": {

"summary": "Deny timesheet",

"operationId": "deny-timesheet",

"responses": {

"200": {

"description": "Deny Timesheet Successfully",

"content": {

"examples": {[

"Timesheet": {

"value": {

"EMPLOYEE\_ID": 1,

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Deny",

"UNSUBMIT\_REASON": "Wrong task name"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

]}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get timesheet": {

"value": {

"EMPLOYEE\_ID": 1,

"TIMESHEET\_ID": 1,

"TOTAL\_HOUR": 40,

"UNSUBMIT\_REASON": "",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"MANAGER\_COMMENT": "",

"SUBMIT\_DATE": "2021-09-10 22:00:00",

"STATUS": "Deny",

"UNSUBMIT\_REASON": "Wrong task name"

},

"TIMESHEET\_DETAIL": [

{

"DATE": "2021-09-19",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Preprocess data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

},

{

"DATE": "2021-09-16",

"NUMBER\_HOUR": 8,

"TASK\_NAME": "Cleaning data",

"TEAM\_PROJECT\_NAME": "Lotteria Data Pipeline"

}

]

}

},

"description": "Get the timesheets."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get timesheets."

}

}

}

**Chức năng 13.0: Quản lý hệ thống PA: Cứ mỗi 11 tháng, nhân viên trong công ty sẽ được quản lý cấp 1 yêu cầu đánh giá các nhân viên khác trong cùng một đội của mình (Performance Appraisal - PA system). Nhân viên cần đánh giá các nhân viên khác trước thời gian quy định, nếu không sẽ bị kỷ luật. Ngoài ra, nhân viên cũng có thể xem và tìm kiếm các thông tin feedback mà mình đã từng feedback trước đây và sửa lại/điền thông tin feedback nếu muốn, miễn là trước thời gian quy định.**

1. **API 1: Lấy danh sách toàn bộ thông tin feedback hiện có của nhân viên đó (không lọc và không có điều kiện tìm kiếm - có phân trang)**

GET /feedbacks?limit=5&offset=0&sort\_by=-responded\_date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/feedbacks?limit=5&offset=0&sort\_by=-responded\_date": {

"get": {

"summary": "Get All Employee’s Feedbacks",

"operationId": "get-feedbacks",

"responses": {

"200": {

"description": "All Employee’s Feedbacks Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Feedbacks That Employee Have Given Sort By RESPONDED\_DATE": {

"value": [

{

"id": 1,

"EMPLOYEE\_BEINGFEEDBACK\_ID":6,

"EMPLOYEE\_FEEDBACK\_ID":8,

"RESPONDED\_DATE":"2022-07-18 22:30:12",

"CONTENT":"Chị manager dễ thương",

"STATUS":"Responded",

"DEADLINE\_FEEDBACK":"2022-07-31 23:00:00",

"EMPLOYEE\_MANAGER": 4

},

{

"id": 2,

"EMPLOYEE\_BEINGFEEDBACK\_ID":15,

"EMPLOYEE\_FEEDBACK\_ID":8,

"RESPONDED\_DATE":"2022-07-18 22:30:12",

"CONTENT":"Chị data analyst làm việc chăm chỉ",

"STATUS":"Responded",

"DEADLINE\_FEEDBACK":"2022-07-31 23:00:00",

"EMPLOYEE\_MANAGER": 6

},

{

"id": 3,

"EMPLOYEE\_BEINGFEEDBACK\_ID":14,

"EMPLOYEE\_FEEDBACK\_ID":8,

"RESPONDED\_DATE":"1970-01-01 00:00:00",

"CONTENT":null,

"STATUS":"Not responding",

"DEADLINE\_FEEDBACK":"2022-07-31 23:00:00",

"EMPLOYEE\_MANAGER": 6

}

]

}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5,

"order\_column": "RESPONDED\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Feedback Information Not Found"

}

},

"description": "Retrieve the information of all Feedback of Employee",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 2: Chỉnh sửa/Điền thông tin feedback**

PATCH /feedbacks/{feedback-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/feedbacks/{feedback-id}": {

"patch": {

"summary": "Update Specified Employee’s feedback Information",

"operationId": "patch-feedback-Id",

"responses": {

"200": {

"description": "Update Employee’s Feedback Information Successfully",

"content": {

"application/json": {

"examples": {

"Updated Feedback With Id 1": {

"value": {

"id": 3,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 14,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2022-07-19 12:00:00",

"CONTENT": "Chị này dễ thưn lắm",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2022-07-31 23:00:00",

"EMPLOYEE\_MANAGER": 6

}

}

}

}

}

},

"404": {

"description": "Feedback Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s feedback with id 3"

}

},

"description": "Update the information of an existing feedback.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"id": 3,

"CONTENT": "Chị này dễ thưn lắm"

}

}

},

"description": "Patch feedback properties to update."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 3: Tìm kiếm thông tin feedback**

GET/feedbacks?limit=5&offset=0&sort\_by=-responded\_date&content-search=1666666&responded-year=2022&status=responded

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/feedbacks?limit=5&offset=0&sort\_by=-responded\_date&content-search=1666666&responded-year=2022&status=responded": {

"get": {

"summary": "Search Employee’s Feedbacks By Conditions",

"operationId": "search-feedbacks",

"responses": {

"200": {

"description": "All Employee’s Feedbacks Have Been Found",

"content": {

"application/json": {

"examples": {

"Search Feedbacks That Employee Have Given Sort By RESPONDED\_DATE": {

"value": [

{

"id": 1,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 16,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2022-07-18 22:30:12",

"CONTENT": "Chị manager dễ thưn",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2022-07-18 23:00:00",

"EMPLOYEE\_MANAGER": 6

},

{

"id": 2,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 166,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2022-07-18 22:30:12",

"CONTENT": "Chị data analyst làm việc chăm chỉ",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2022-07-18 23:00:00",

"EMPLOYEE\_MANAGER": 6

}

]

}

},

"metadata": {

"resultset": {

"count": 2,

"offset": 0,

"limit": 5,

"order\_column": "RESPONDED\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Feedback Information Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"responded-year": "2022",

"status": "Responded",

"content-search": "1666666"

}

}

},

"description": "Search feedback information"

},

"description": "Retrieve the information of all Feedback of Employee By Condition(s)",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 4: Xem một thông tin feedback bất kỳ**

GET /feedbacks/{feedback-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/feedbacks/{feedback-id}": {

"get": {

"summary": "Get A Specified Employee’s Feedback",

"operationId": "get-a-feedback",

"responses": {

"200": {

"description": "An Employee’s Feedback Have Been Found",

"content": {

"application/json": {

"examples": {

"Get A Specified Feedback By Feedback Id": {

"value": [

{

"id": 5,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 16,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2022-07-18 22:30:12",

"CONTENT": "Chị manager dễ thưn",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2022-07-18 23:00:00",

"EMPLOYEE\_MANAGER": 6

}

]

}

}

}

}

},

"404": {

"description": "Feedback Information Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"id": 5

}

}

},

"description": "Get feedback information By Id"

},

"description": "Retrieve the information of the Feedback of Employee by id feedback",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

1. **API 5: Lấy danh sách thông tin feedback của nhân viên trong năm hiện tại**

GET /feedbacks?limit=5&offset=0&sort\_by=-responded\_date&deadline-year=2022

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/feedbacks?limit=5&offset=0&sort\_by=-responded\_date&deadline-year=2022": {

"get": {

"summary": "Get Current Year Employee’s Feedbacks",

"operationId": "get-current-feedbacks",

"responses": {

"200": {

"description": "The Current Employee’s Feedbacks Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Feedbacks That Employee Have Given Sort By RESPONDED\_DATE": {

"value": [

{

"id": 1,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 16,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2022-07-18 22:30:12",

"CONTENT": "Chị manager dễ thưn",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2022-07-18 23:00:00",

"EMPLOYEE\_MANAGER": 6

},

{

"id": 2,

"EMPLOYEE\_BEINGFEEDBACK\_ID": 14,

"EMPLOYEE\_FEEDBACK\_ID": 8,

"RESPONDED\_DATE": "2022-07-18 22:30:12",

"CONTENT": "Chị data analyst làm việc chăm chỉ",

"STATUS": "Responded",

"DEADLINE\_FEEDBACK": "2022-07-18 23:00:00"

}

]

}

},

"metadata": {

"resultset": {

"count": 2,

"offset": 0,

"limit": 5,

"order\_column": "RESPONDED\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Feedback Information Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"deadline-year": "2022"

}

}

},

"description": "Get feedback information By Current Year"

},

"description": "Retrieve the information of all Feedback of Employee by current year",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 13.1: Quản lý hệ thống PA: Cứ mỗi 11 tháng, nhân viên trong công ty sẽ được quản lý cấp 1 yêu cầu thiết lập các mục tiêu cho bản thân thông qua hệ thống Đánh giá thành tích công tác (Performance Appraisal - PA system). Khi quản lý thấy nhân viên đạt được các mục tiêu do bản thân thiết lập, nhân viên đó sẽ được thưởng và tăng lương theo % bonus nhất định. Các mục tiêu mà nhân viên đó đề ra phải được quản lý cấp 1 duyệt và đồng ý. Nhân viên cần lưu ý rằng việc thiết lập mục tiêu phải theo đúng timeline mà quản lý cấp 1 đã đề ra, nếu không được thưởng và tăng lương theo % bonus nhất định. Nhân viên cũng có thể xem các thông tin về PA goal mà mình đã từng làm trước đây**

* + - 1. **API 1: Thêm một thông tin PA Goal mới với một hoặc nhiều mục tiêu**

POST /pa-goal

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/pa-goal": {

"post": {

"summary": "Create New PA Goal",

"operationId": "post-pa-goal",

"responses": {

"200": {

"description": "PA Goal Created Successfully",

"content": {

"examples": {

"New pa goal": {

"value": {

"id": 1,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2022-07-20 17:00:00",

"STATUS": "Draft",

"TOTAL\_GOALS": 2,

"UNSUBMIT\_REASON":null,

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL":"2022-07-31 23:00:00",

"PA\_GOAL DETAIL":[

{

"PAGOALDETAIL\_ID":1,

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-08-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{

"PAGOALDETAIL\_ID":2,

"GOAL\_NAME": "Goal 2",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-10-10 12:00:00",

"COMMENT":"Make it second",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

}

]

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create duplicate pa goal with id 1"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Create New pa goal": {

"value": {

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"PA\_GOAL DETAIL":[

{

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-08-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{

"GOAL\_NAME": "Goal 2",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-10-10 12:00:00",

"COMMENT":"Make it second",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

}

]

}

}

}

}

},

"description": "Post the necessary fields for the API to create a new pa goal."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Create a new pa goal."

}

**Chức năng 13.2: Quản lý hệ thống PA: Nhân viên có nhu cầu cập nhật mục tiêu bất kỳ đã từng được tạo trên hệ thống. Tuy nhiên, nhân viên không thể cập nhật được mục tiêu nếu mục tiêu nằm ở form đã được submit và thời gian submit form đã qua thời gian quy định được sửa, hoặc là form đó đã được chuyển sang trạng thái “Approved”**

**API 1: Xem thông tin một mục tiêu bất kỳ trong PA Goal**

GET /pa-goals/{pa-goal-id}/pa-goal-details/{pa-goal-detail-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/pa-goals/{pa-goal-id}/pa-goal-details/{pa-goal-detail-id}": {

"get": {

"summary": "Get A Goal Information In A PA Goal",

"operationId": "get-a-goal-information-in-pa-goal",

"responses": {

"200": {

"description": "Get A Goal Information Successfully",

"content": {

"examples": {

"Get a goal information with id = 1 in a PA Goal id = 1": {

"value": {

"PAGOALDETAIL\_ID": 1,

"PAGOAL\_ID": 1,

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-08-31 12:00:00",

"COMMENT": "Make it first",

"STATUS": "Processing",

"COMPLETED\_DATE": "1970-01-01 00:00:00"

}

}

}

}

},

"404": {

"description": "Cannot find a goal information"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get a goal in pa goal": {

"value": {

"PAGOALDETAIL\_ID": 1,

"PAGOAL\_ID": 1

}

}

}

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get goal information in specified pa goal."

}

}

}

* + - 1. **API 2: Xem một thông tin PA Goal bất kỳ**

GET /pa-goals/{pa-goal-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/pa-goals/{pa-goal-id}": {

"get": {

"summary": "Get A Specified PA Goal",

"operationId": "get-a-pa-goal-information",

"responses": {

"200": {

"description": "Get A PA Goal Successfully",

"content": {

"examples": {

"Get a Specified PA Goal Information": {

"value": {

"id": 1,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2022-07-20 17:00:00",

"STATUS": "Draft",

"TOTAL\_GOALS": 2,

"UNSUBMIT\_REASON": null,

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL": "2022-07-31 23:00:00",

"PA\_GOAL DETAIL": [

{

"PAGOALDETAIL\_ID": 1,

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-08-31 12:00:00",

"COMMENT": "Make it first",

"STATUS": "Processing",

"COMPLETED\_DATE": "1970-01-01 00:00:00"

},

{

"PAGOALDETAIL\_ID": 2,

"GOAL\_NAME": "Goal 2",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-10-10 12:00:00",

"COMMENT": "Make it second",

"STATUS": "Processing",

"COMPLETED\_DATE": "1970-01-01 00:00:00"

}

]

}

}

}

}

},

"404": {

"description": "Cannot find a PA Goal you want"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Find a pa goal with id = 1": {

"value": {

"id": 1

}

}

}

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get a PA Goal information"

}

}

}

* + - 1. **API 3: Xem danh sách các PA Goal hiện có (có phân trang)**

GET /pa-goals?limit=5&offset=0&sort\_by=-lastupdated\_date

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/pa-goals?limit=5&offset=0&sort\_by=-lastupdated\_date": {

"get": {

"summary": "Get All Employee's PA Goal Information By Conditions",

"operationId": "get-all-pa-goals-information",

"responses": {

"200": {

"description": "Employee's PA Goals Have Been Found",

"content": {

"application/json": {

"examples": {

"Get All Employee's PA Goal InformationSort By LASTUPDATE\_DATE": {

"value": [

{

"id": 1,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2022-07-20 17:00:00",

"STATUS": "Draft",

"TOTAL\_GOALS": 2,

"UNSUBMIT\_REASON":null,

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL":"2022-07-31 23:00:00",

"PA\_GOAL DETAIL":[

{

"PAGOALDETAIL\_ID":1,

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-08-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{

"PAGOALDETAIL\_ID":2,

"GOAL\_NAME": "Goal 2",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-10-10 12:00:00",

"COMMENT":"Make it second",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

}

]

},

{

"id": 2,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2021-07-07 21:50:00",

"STATUS": "Draft",

"TOTAL\_GOALS": 1,

"UNSUBMIT\_REASON":null,

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL":"2021-07-31 23:00:00",

"PA\_GOAL DETAIL":[

{

"PAGOALDETAIL\_ID":1,

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2021-08-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"2021-12-01 12:00:00"

}

]

},

{...}

]

}

},

"metadata": {

"resultset": {

"count": 30,

"offset": 0,

"limit": 5,

"order\_column": "LASTUPDATE\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Employee's PA Goal Information Not Found"

}

},

"description": "Retrieve All Employee's PA Goal Information Lists",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

* + - 1. **API 4: Tìm kiếm PA Goal**

GET/pa-goals?limit=5&offset=0&sort\_by=-lastupdated\_date&status=draft&deadline-year=2022

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{ "/pa-goals?limit=5&offset=0&sort\_by=-lastupdated\_date&status=draft&deadline-year=2022": {

"get": {

"summary": "Get Your PA Goal Information By Conditions",

"operationId": "get-pa-goals-information-by-conditions",

"responses": {

"200": {

"description": "Your Specified PA Goals Have Been Found",

"content": {

"application/json": {

"examples": {

"Get Your PA Goal Information By Conditions Sort By LASTUPDATE\_DATE": {

"value": [

{

"id": 1,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2022-07-20 17:00:00",

"STATUS": "Draft",

"TOTAL\_GOALS": 2,

"UNSUBMIT\_REASON":null,

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL":"2022-07-31 23:00:00",

"PA\_GOAL DETAIL":[

{

"PAGOALDETAIL\_ID":1,

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-08-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{

"PAGOALDETAIL\_ID":2,

"GOAL\_NAME": "Goal 2",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-10-10 12:00:00",

"COMMENT":"Make it second",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

}

]

},

{

"id": 5,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2022-07-07 21:50:00",

"STATUS": "Draft",

"TOTAL\_GOALS": 1,

"UNSUBMIT\_REASON":null,

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL":"2022-07-31 23:00:00",

"PA\_GOAL DETAIL":[

{

"PAGOALDETAIL\_ID":1,

"GOAL\_NAME": "Goal 1",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-08-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

}

]

},

{}

]

}

},

"metadata": {

"resultset": {

"count": 15,

"offset": 0,

"limit": 5,

"order\_column": "LASTUPDATE\_DATE",

"sort\_by": "desc"

}

}

}

}

},

"404": {

"description": "Your seeking PA Goal Information Not Found"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"deadline-year": "2022",

"status":"Draft"

}

}

},

"description": "Get PA Goal information By Conditions"

},

"description": "Retrieve Employee's PA Goal Information Lists by condition(s)",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

* + - 1. **API 5: Sửa thông tin một PA Goal bất kỳ**

PATCH /pa-goals/{pa-goal-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

TH1: Chỉnh sửa thông tin một mục tiêu bất kỳ trong PA Goal

{

"/pa-goals/{pa-goal-id}": {

"patch": {

"summary": "Update Employee's PA Goal Information",

"operationId": "update-a-pa-goal-information",

"responses": {

"200": {

"description": "Update Employee's PA Goal Information Successfully",

"content": {

"application/json": {

"examples": {

"Update Employee's PA Goal InformationSort": {

"value": [

{

"id": 1,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2022-07-23 18:00:00",

"STATUS": "Draft",

"TOTAL\_GOALS": 2,

"UNSUBMIT\_REASON":null,

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL":"2022-07-31 23:00:00",

"PA\_GOAL DETAIL":[

{

"PAGOALDETAIL\_ID":1,

"GOAL\_NAME": "Goal Another",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-12-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{

"PAGOAL\_ID":2,

"GOAL\_NAME": "Goal 2",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-10-10 12:00:00",

"COMMENT":"Make it second",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{}

]

}

]

}

}

}

}

},

"404": {

"description": "PA Goal Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to update Employee’s PA Goal with id 1"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Update A PA Goal With Id = 1": {

"value": {

"id": 1,

"LASTUPDATE\_DATE": "2022-07-23 18:00:00",

"PA\_GOAL DETAIL":[

{

"GOAL\_NAME": "Goal Another

",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-12-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

}

]

}

}

}

}

},

"description": "Post the necessary fields for the API to update a PA Goal."

},

"description": "Update Employee's PA Goal Information",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

TH2: Nhân viên thu hồi PA Goal

{

"/pa-goals/{pa-goal-id}": {

"patch": {

"summary": "Unsubmit Employee's PA Goal Information",

"operationId": "unsubmit-a-pa-goal-information",

"responses": {

"200": {

"description": "Unsubmit Employee's PA Goal Information Successfully",

"content": {

"application/json": {

"examples": {

"Unsubmit Employee's PA Goal Information": {

"value": [

{

"id": 1,

"EMPLOYEECREATE\_ID": 8,

"MANAGER\_ID": 6,

"LASTUPDATE\_DATE": "2022-07-23 19:50:00",

"STATUS": "Canceled",

"TOTAL\_GOALS": 2,

"UNSUBMIT\_REASON":"Không phù hợp anymore",

"MANAGER\_COMMENT": null,

"DEADLINE\_PAGOAL":"2022-07-31 23:00:00",

"PA\_GOAL DETAIL":[

{

"PAGOALDETAIL\_ID":1,

"GOAL\_NAME": "Goal Another",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-12-31 12:00:00",

"COMMENT":"Make it first",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{

"PAGOAL\_ID":2,

"GOAL\_NAME": "Goal 2",

"ACTION\_STEP": "Step 1, Step 2,..",

"DUE\_DATE": "2022-10-10 12:00:00",

"COMMENT":"Make it second",

"STATUS":"Processing",

"COMPLETED\_DATE":"1970-01-01 00:00:00"

},

{}

]

}

]

}

}

}

}

},

"404": {

"description": "PA Goal Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to unsubmit Employee’s PA Goal with id 1"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Unsubmit A PA Goal With Id = 1": {

"value": {

"id": 1,

"UNSUBMIT\_REASON":"Không phù hợp anymore",

"LASTUPDATE\_DATE": "2022-07-23 19:50:00"

}

}

}

}

},

"description": "Enter the unsubmit reason for the API to unsubmit a PA Goal."

},

"description": "Unsubmit Employee's PA Goal Information",

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 13.3: Quản lý hệ thống PA: Nhân viên có nhu cầu xóa mục tiêu bất kỳ đã từng được tạo trên hệ thống. Tuy nhiên, nhân viên không thể xóa được mục tiêu nếu mục tiêu nằm ở form đã được submit và thời gian submit form đã qua thời gian quy định được sửa, hoặc là form đó đã được chuyển sang trạng thái “Approved”**

**Lưu ý khi xóa một/nhiều/tất cả mục tiêu trong PA Goal, cần cập nhật lại giá trị cho trường LASTUPDATE\_DATE của PA Goal đó khi người dùng nhấn nút Save**

**API 1: Xóa một mục tiêu bất kỳ trong PA Goal**

DELETE /pa-goals/{pa-goal-id}/pa-goal-details/{pa-goal-detail-id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/pa-goals/{pa-goal-id}/pa-goal-details/{pa-goal-detail-id}": {

"delete": {

"summary": "Delete Existed Any Goal In Specified PA Goal",

"operationId": "delete-a-goal-in-pa",

"responses": {

"200": {

"description": "Deleted A Specified Goal In PA Goal Successfully"

},

"404": {

"description": "Not find any PA Goal detail"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete a goal id = 1 in a PA Goal id = 1": {

"value": {

"PAGOAL\_ID": 1,

"PAGOAL\_DETAIL\_ID": 1

}

}

}

}

},

"description": "Delete a goal in pa goal"

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete a goal in pa goal"

}

}

}

**API 2: Xóa tất cả mục tiêu trong PA Goal**

DELETE /pa-goals/{pa-goal-id}/pa-goal-details

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/pa-goals/{pa-goal-id}/pa-goal-details": {

"delete": {

"summary": "Delete All Goals (If Have) In Specified PA Goal",

"operationId": "delete-all-goals-in-pa",

"responses": {

"200": {

"description": "Deleted All Goals In A PA Goal Successfully"

},

"404": {

"description": "Cannot find the specified PA Goal"

}

},

"requestBody":{

"content": {

"application/json": {

"examples": {

"Delete all goals": {

"value": {

"PAGOAL\_ID": 1

}

}

}

}

},

"description": "Delete all goals (if have) in pa goal"

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete all goals (if have) in pa goal"

}

}

}

**API 3: Xóa những mục tiêu được chọn trong PA Goal**

DELETE http://pa-goals/{pa-goal-id}/pa-goal-details?ids={pa-goal-details-id1,pa-goal-details-id2,...}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/pa-goals/{pa-goal-id}/pa-goal-details?ids={pa-goal-details-id1,pa-goal-details-id2,...} ": {

"delete": {

"summary": "Delete Some Selected Goals In Specified PA Goal",

"operationId": "delete-selected-goals-in-pa",

"responses": {

"200": {

"description": "Deleted Selected Goals In PA Goal Successfully"

},

"404": {

"description": "Not find any PA Goal"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete Some Selected Goals In Specified PA Goal id = 1": {

"value": [

{

"PAGOAL\_ID": 1,

"PAGOAL\_DETAIL\_ID": 1

},

{

"PAGOAL\_ID": 1,

"PAGOAL\_DETAIL\_ID": 2

},{...}

]

}

}

}

},

"description": "Delete selected goals in pa goal"

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete some selected goals in pa goal"

}

}

}

**Chức năng 14: Nhân viên quản lý nhân sự có thể xem xét các CV của những người muốn ứng tuyển vào các vị trí mà công ty đang tuyển và sắp xếp các cuộc gặp nhằm screening**

* + - 1. **API 1: Nhân viên quản lý thông tin upload thông tin CV ứng viên lên hệ thống:**

POST /recruitment/upload\_cv

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"recruitment/upload\_cv": {

"post": {

"summary": "Upload CV into the system",

"operationId": "post\_recruitment/upload\_cv",

"description": "Upload CV into the system, this is usually a automatic work when the applcants submit their CV.",

"responses": {

"200": {

"description": "CV Upload successfully",

"content": {

"examples": {

"Upload New CV": {

"value": {

"CV\_ID":6,

"MANAGER\_ID":5,

"EMPLOYEE\_ID":null, //only filled when the cv get approved

"NAME":"New Applicant",

"EMAIL":"newapplicant@gmail.com",

"URL":"https://recruitement/04\_2022/cv/new.pdf",

"ACADEMIC\_TRANSCRIPT\_URL":"https://recruitement/04\_2022/academic\_transcript/new.pdf", //can be null if the applicant is not a fresher

"JOB\_TITLE":"QA/QC",

"COMMENT" :null,

"DATE\_OF\_APPLICATION":"2021-09-10",

"STATUS":"Pending"

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create cv with the same id"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Upload New CV": {

"value": {

"CV\_ID":6,

"MANAGER\_ID":5,

"EMPLOYEE\_ID":null, //only filled when the cv get approved

"NAME":"New Applicant",

"EMAIL":"newapplicant@gmail.com",

"URL":"https://recruitement/04\_2022/cv/new.pdf",

"ACADEMIC\_TRANSCRIPT\_URL":"https://recruitement/04\_2022/academic\_transcript/new.pdf", //can be null if the applicant is not a fresher

"JOB\_TITLE":"QA/QC",

"COMMENT" :null,

"DATE\_OF\_APPLICATION":"2021-09-10",

"STATUS":"Pending"

}

}

}

}

},

"description": "Post the necessary fields for the API to upload a new cv."

}

}

}

}

* + - 1. **API 2: Nhân viên quản lý thông tin cập nhật thông tin trạng thái CV ứng viên lên hệ thống:**

PATCH /recruitment/update\_status\_cv/{cv\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"recruitment/update\_status\_cv/{cv\_id}": {

"patch": {

"summary": "Manager change the status of the cv.",

"operationId": "patch\_update\_status\_cv\_requestid",

"description": "Manager change the status of the cv base on the recruitment process, like approved, screening,....",

"responses": {

"200": {

"description": "CV Status Update Successfully",

"content": {

"application/json": {

"examples": {

"Update CV Status": {

"value": {

"CV\_ID": 6,

"STATUS":"Screening" //nếu approved thì có thể thêm trường employee\_id vào cv

}

}

}

}

}

},

"404": {

"description": "CV Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to Update CV Status"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"CV\_ID": 6,

"STATUS":"Screening" //nếu approved thì có thể thêm trường employee\_id vào cv

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic ABCDKZII10AZ=",

"AuthorizationType": "Basic Auth"

},

"description": "Update an existing CV status."

}

}

}

}

* + - 1. **API 3: Nhân viên quản lý thông tin xem thông tin CV ứng viên trên hệ thống:**

GET /recruitment/get\_cv/{cv\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"recruitment/get\_cv/{cv\_id}": {

"get": {

"summary": "Get the info of the CV",

"operationId": "get\_get\_cv\_cvid",

"description": "Get all the info of the CV",

"responses": {

"200": {

"description": "CV has been found",

"content": {

"application/json": {

"examples": {

"value": {

"CV\_ID":6,

"MANAGER\_ID":5,

"EMPLOYEE\_ID":null, //only filled when the cv get approved

"NAME":"New Applicant",

"EMAIL":"newapplicant@gmail.com",

"URL":"https://recruitement/04\_2022/cv/new.pdf",

"ACADEMIC\_TRANSCRIPT\_URL":"https://recruitement/04\_2022/academic\_transcript/new.pdf", //can be null if the applicant is not a fresher

"JOB\_TITLE":"QA/QC",

"COMMENT" :null,

"DATE\_OF\_APPLICATION":"2021-09-10",

"STATUS":"Screening"

}

}

}

}

},

"404": {

"description": "CV Not Found"

},

"405": {

"description": "Unable to get CV info"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

* + - 1. **API 4: Nhân viên quản lý thông tin xóa thông tin CV ứng viên khỏi hệ thống:**

DELETE /recruitment/delete\_cv/{cv\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

Nên hạn chế sử dụng bởi CV chỉ thường được lưu trữ archive chứ không thường xóa ra hẳn khỏi hệ thống.

{

"recruitment/delete\_cv/{cv\_id}": {

"delete": {

"summary": "Delete a CV from the system",

"operationId": "delete\_delete\_cv\_cvid",

"description": "Delete a CV from the system after some time in archive",

"responses": {

"200": {

"description": "CV Delete Successfully"

},

"404": {

"description": "Employee doesn't subscribe to this categories"

},

"405": {

"description": "Unable to unsubscribe with the given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A CV": {

"value": {

"CV\_ID":6

}

}

}

}

},

"description": "Please enter the ID of The CV you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

* + - 1. **API 5: Nhân viên quản lý thông tin xem danh sách tất cả CV ứng viên trên hệ thống:**

GET /recruitment/list\_all\_cv?limit=5&offset=0&sort\_by=-date\_of\_application

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"recruitment/list\_all\_cv?limit=5&offset=0&sort\_by=-date\_of\_application": {

"get": {

"summary": "Get all the CV.",

"operationId": "get\_list\_all\_cv",

"description": "List all the CV submitted by applicant",

"responses": {

"200": {

"description": "CVs has been found",

"content": {

"application/json": {

"examples": {

"Get All The CV": {

"value": [

{

"CV\_ID": 6,

"MANAGER\_ID":5,

"EMPLOYEE\_ID":null, //only filled when the cv get approved

"NAME":"New Applicant",

"EMAIL":"newapplicant@gmail.com",

"URL":"https://recruitement/04\_2022/cv/new.pdf",

"ACADEMIC\_TRANSCRIPT\_URL":"https://recruitement/04\_2022/academic\_transcript/new.pdf", //can be null if the applicant is not a fresher

"JOB\_TITLE":"QA/QC",

"COMMENT" :null,

"DATE\_OF\_APPLICATION":"2021-09-10",

"STATUS":"Pending"

},

{

//Cv khác

}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"DATE\_OF\_APPLICATION",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "CVs Not Found"

},

"405": {

"description": "Unable to find CVs"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

* + - 1. **API 6: Nhân viên quản lý thông tin xem danh sách tất cả CV ứng viên lọc theo việc làm ứng tuyển trên hệ thống:**

GET /recruitment/list\_cv?limit=5&offset=0&sort\_by=-date\_of\_application/{job\_title}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{ "recruitment/list\_cv?limit=5&offset=0&sort\_by=-date\_of\_application/{job\_title}": {

"get": {

"summary": "Get all the CV with the chosen job title.",

"operationId": "get\_list\_cv\_jobtitle",

"description": "Get all the CV with the chosen job title, sort by data of submit",

"responses": {

"200": {

"description": "CVs has been found",

"content": {

"application/json": {

"examples": {

"Get All The CV with Job Tilte": {

"value": [

{

"CV\_ID":6,

"MANAGER\_ID":5,

"EMPLOYEE\_ID":null, //only filled when the cv get approved

"NAME":"New Applicant",

"EMAIL":"newapplicant@gmail.com",

"URL":"https://recruitement/04\_2022/cv/new.pdf",

"ACADEMIC\_TRANSCRIPT\_URL":"https://recruitement/04\_2022/academic\_transcript/new.pdf", //can be null if the applicant is not a fresher

"JOB\_TITLE":"QA/QC",

"COMMENT" :null,

"DATE\_OF\_APPLICATION":"2021-09-10",

"STATUS":"Pending"

},

{

//Cv khác

}

]

}

},

"metadata": {

"resultset": {

"count": 50, // <-- count of number of returned records

"offset": 5, //current offset

"limit": 5, // page limit

"order\_column":"DATE\_OF\_APPLICATION",

"sort\_by":"desc"

}

}

}

}

},

"404": {

"description": "CVs Not Found"

},

"405": {

"description": "Unable to find CVs"

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

}

}

}

}

**Chức năng 16: Hệ thống quản lý tài liệu gồm các chức năng xem tài liệu, thêm, xóa, sửa các tài liệu.**

**API 1: Nhân viên xem thông tin danh sách các tài liệu.**

GET /document?limit=5&offset=0

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/document?limit=5&offset=0": {

"get": {

"summary": "Get document list",

"operationId": "get-document",

"responses": {

"200": {

"description": "Get Data Successfully",

"content": {

"examples": {[

"Document": {

"value": {

"DOCUMENT\_ID": 1,

"MANAGER\_ID": 2,

"TITLE": "How to use the checkin/checkout feature.",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Type the time you start to work in the checkin field then the time you leave the work in the checkout field. After that, click the Save button.",

"CATEGORIES": "Guideline",

"MEDIA\_CONTENTID": []

},

"value": {

"DOCUMENT\_ID": 2,

"MANAGER\_ID": 1,

"TITLE": "How to use the request OT feature.",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Type the reason and pick the date then click the Save button",

"CATEGORIES": "Guideline",

"MEDIA\_CONTENTID": []

}

]}

},

"metadata": {

"resultset": {

"count": 3,

"offset": 0,

"limit": 5

}

}

}

},

"400": {

"description": "Missing Required Information"

}},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Get document": {

"value": {}

},

"description": "Get the documents."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization": "Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Get documents."

}

}

}

**API 2: Nhân viên xem thông tin chi tiết của một tài liệu.**

GET /get/upload\_document\_post/{document\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/upload\_document\_post/{document\_id}": {

"get": {

"summary": "Create New Document Post",

"operationId": "upload\_document\_post",

"responses": {

"200": {

"description": "Post successfully",

"content": {

"examples": {

"New Document": {

"value": {

"DOCUMENT\_ID": 1,

"MANAGER\_ID": 2,

"TITLE": "How to use the checkin/checkout feature.",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Type the time you start to work in the checkin field then the time you leave the work in the checkout field. After that, click the Save button.",

"CATEGORIES": "Guideline",

"MEDIA\_CONTENTID": []

}

}

}

}

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to create duplicate post with the same give ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"New Post": {

"value": {

"DOCUMENT\_ID": 1,

"MANAGER\_ID": 2,

"TITLE": "How to use the checkin/checkout feature :D",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": null,

"CONTENT": "Type the time you start to work in the checkin field then the time you leave the work in the checkout field. After that, click the Save button.",

"CATEGORIES": "Guideline",

"MEDIA\_CONTENTID": []

}

}

}

}

},

"description": "Post the necessary fields for the API to create a new document post."

},

"description": "Create New Document Post."

}

**API 3: Nhân viên Manager cập nhật tài liệu trên website công ty.**

PATCH /post/update\_document\_post/{document\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/update\_document\_post/{document\_id}": {

"patch": {

"summary": "Update Information in Document",

"operationId": "patch\_update\_information\_document\_documentid",

"responses": {

"200": {

"description": "Document Update Successfully",

"content": {

"application/json": {

"examples": {

"Updated Document With Given Id": {

"value": {

"DOCUMENT\_ID": 1,

"MANAGER\_ID": 2,

"CATEGORIES": "Guideline",

"TITLE": "How to use the checkin/checkout feature version 1.1",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": "2021-09-11 21:00:00",

"CONTENT": "Type the time you start to work in the checkin field then the time you leave the work in the checkout field. After that, click the Save button.",

"MEDIA\_CONTENTID": []

}

}

}

}

}

},

"404": {

"description": "Document Not Found"

},

"400": {

"description": "Missing Required Information"

},

"405": {

"description": "Unable to Update Post"

}

},

"description": "Update the information of an existing Post.",

"requestBody": {

"content": {

"application/json": {

"examples": {

"DOCUMENT\_ID": 1,

"MANAGER\_ID": 2,

"CATEGORIES": "Guideline",

"TITLE": "How to use the checkin/checkout feature version 1.1",

"CREATE\_DATE": "2021-09-10 21:00:00",

"UPDATE\_DATE": "2021-09-11 21:00:00",

"CONTENT": "Type the time you start to work in the checkin field then the time you leave the work in the checkout field. After that, click the Save button.",

"MEDIA\_CONTENTID": []

}

}

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic ABCDKZII10AZ=",

"AuthorizationType": "Basic Auth"

},

"description": "Update the information of an existing document."

}

}

}

}

**API 4: Nhân viên Manager xóa tài liệu trên website công ty.**

DELETE /post/delete\_information\_document/{document\_id}

Host: udpt-quanlynhanvien.com.vn

Accept: application/json

Authorization Type: Basic Auth

{

"/post/delete\_information\_document/{document\_id}": {

"delete": {

"summary": "Delete A Document",

"operationId": "delete\_information\_document\_docuemntid",

"responses": {

"200": {

"description": "Document Delete Successfully"

},

"404": {

"description": "Document Not Found"

},

"405": {

"description": "Unable to delete document with the given ID"

}

},

"requestBody": {

"content": {

"application/json": {

"examples": {

"Delete A Document": {

"value": {

"POST\_ID": 1

}

}

}

}

},

"description": "Please enter the ID of the Document you need to delete."

},

"requestHeader": {

"Host": "udpt-quanlynhanvien.com.vn",

"Accept": "\*/\*",

"Connection": "Keep-Alive",

"Content-Type": "application/json",

"Authorization":"Basic YWRtaW46YWRtaW4=",

"AuthorizationType": "Basic Auth"

},

"description": "Delete a specific document"

}

}

}

# 

# Tài liệu tham khảo

[1]: How to Design a REST API

<https://restfulapi.net/rest-api-design-tutorial-with-example/>

[2]: REST API Best Practices – REST Endpoint Design Examples

<https://www.freecodecamp.org/news/rest-api-best-practices-rest-endpoint-design-examples/>

[3]: Cùng tìm hiểu về http request method

<https://viblo.asia/p/cung-tim-hieu-ve-http-request-methods-djeZ1xBoKWz>

[4]: Get information about countries via a RESTful API

<https://restcountries.com/>

[5]: REST API Design: Filtering, Sorting, and Pagination

<https://www.moesif.com/blog/technical/api-design/REST-API-Design-Filtering-Sorting-and-Pagination/>

[6]: Phân biệt giữa lệnh PUT và lệnh PATCH

<https://josipmisko.com/posts/patch-vs-put-rest-api>

[7]: Authorization

<https://learning.postman.com/docs/sending-requests/authorization/>