

Testcase

```
# 登陆管理员账号
node index login api admin 111111 --report

# 添加请假申请表
node index post api/eav/entities --filter='{ "id":1,"entityName":"请假申请","tableName":"请假申请","items":[{"attributeName":"processInstanceId"}, {"attributeName":"applicant"}, {"attributeName":"createTime"}, {"attributeName":"reason"}, {"attributeName":"status"}]}' --only --report

# 添加请假申请流程
node index post api/wf/processes --filter='{ "id":1,"formGroup":"daily-event","form_type":"daily-event","name":"请假申请流程","category_id":123,"status":"ENABLED","open_to":"ALL"}' --only --report

# 添加流程步骤（人事审批，结束）
node index post api/wf/processes/1/steps --filter='{ "id":1,"name":"结束","type":"END"}' --only --report

# 添加流程步骤（部门审批）
node index post api/wf/processes/1/steps --filter='{ "id":2,"name":"部门审批","type":"MIDDLE","nextSteps":"1"}' --only --report

# 添加流程步骤（组长审批）
node index post api/wf/processes/1/steps --filter='{ "id":3,"name":"组长审批","type":"MIDDLE","nextSteps":"2"}' --only --report

# 添加流程步骤（开始）
node index post api/wf/processes/1/steps --filter='{ "id":4,"name":"开始","type":"START","nextSteps":"3"}' --only --report

# 登陆普通员工账号
node index login api aaaaa 111111 --report

# 添加请假申请实例，申请人：普通员工自己，理由：去做头部神经末梢切除术
node index post api/eav/entities/1/values --filter='{ "processInstanceId":"","applicant":"普通员工","createTime":"2019-02-26","reason":"去做头部神经末梢切除术","status":"OPEN"}' --only --report

# 发起请假申请流程，执行人为普通员工自己，由组长进行审批
node index post api/wf/instances --filter='{ "id":1,"processId":1,"formGroup":"daily-event","formType":"daily-event","formId":1,"name":"请假申请流程-BBB110","executorId":1,"executor":"普通员工","currentStepId":3,"currentUserId":2,"currentUserName":"组长","currentStepName":"组长审批"}' --only --report

# 请假申请实例关联请假申请审核流程实例
node index put api/eav/values/1 --filter='{ "rowId":1,"attributeId":1,"attributeValue":1}' --only --report

# 更改请假申请实例状态
node index put api/eav/values/4 --filter='{ "rowId":1,"attributeId":4,"attributeValue":"VERIFYING"}' --only --report

# 登陆组长账号
node index login api bbbbbb 111111 --report

# 组长审批，审批通过，推向部门审批
node index put api/wf/instances/1/approve --filter='{ "currentStepId":2,"currentUserId":3,"currentUserName":"部门审批","note":"可以啊，注意身体"}' --only --report

# 登陆部门管理员账号
node index login api ccccc 111111 --report

# 部门审批，审批通过，推给人事审批
node index put api/wf/instances/1/approve --filter='{ "currentStepId":1,"currentUserId":4,"currentUserName":"人事审批","note":"我同意"}' --only --report

# 登陆人事账号
node index login api ddddd 111111 --report

# 人事审批，审批通过，结束
node index put api/wf/instances/1/approve --filter='{ "currentStepId":1,"currentUserId":1,"currentUserName":"结束","note":"去吧去吧"}' --only --report

# 更改订单实例状态
node index put api/eav/values/5 --filter='{ "rowId":1,"attributeId":5,"attributeValue":"CLOSE_APPROVED"}' --only --report

# 查看订单实例
node index get api/eav/entities/1/values/1 --report

# 查看流程实例
node index get api/wf/instances/1 --report

# 查看审批历史纪录
node index get api/wf/histories?formId=1 --report
```

Start

1、登陆管理员账号

2、添加请假申请表

post--api/eav/entities

Body: { "id":1,"entityName":"请假申请","tableName":"请假申请","items":[{"attributeName":"processInstanceId"}, {"attributeName":"applicant"}, {"attributeName":"createTime"}, {"attributeName":"reason"}, {"attributeName":"status"}]}}			
data			
	code	data	message
	200	6	操作成功

3、添加请假申请流程

post--api/wf/processes

Body: { "id":1,"formGroup":"daily-event","form_type":"daily-event","name":"请假申请流程","category_id":123,"status":"ENABLED","open_to":"ALL"}								
data								
id	categoryId	code	formGroup	formType	name	openTo	openToIds	status
1	123	a9f47d8045c44577861c24fdebe45692	daily-event	daily-event	请假申请流程	ALL		ENABLED

4、添加流程步骤（人事审批，结束）

post--api/wf/processes/1/steps

Body: { "id":1,"name":"结束","type":"END"}			
data			
	code	data	message
	200	1	操作成功

5、添加流程步骤（部门审批）

post--api/wf/processes/1/steps

Body: { "id":2,"name":"部门审批","type":"MIDDLE","nextSteps":"1"}			
data			
	code	data	message
	200	1	操作成功

6、添加流程步骤（组长审批）

post--api/wf/processes/1/steps

Body: { "id":3,"name":"组长审批","type":"MIDDLE","nextSteps":"2"}			
data			
	code	data	message
	200	1	操作成功

7、添加流程步骤（开始）

post--api/wf/processes/1/steps

Body: { "id":4,"name":"开始","type":"START","nextSteps":"3"}			
data			
	code	data	message
	200	1	操作成功

8、登陆普通员工账号

9、添加请假申请实例，申请人：普通员工自己，理由：去做头部神经末梢切除术

post--api/eav/entities/1/values

Body: { "processInstanceId":"","applicant":"普通员工","createTime":"2019-02-26","reason":"去做头部神经末梢切除术","status":"OPEN" }

data		
	code	data
	200	5
		操作成功

10、发起请假申请流程，执行人为普通员工自己，由组长进行审批

post--api/wf/instances

Body: { "id":1,"processId":1,"formGroup":"daily-event","formType":"daily-event","formId":1,"name":"请假申请流程-BBB110","executorId":1,"executor":"普通员工","currentStepId":3,"currentUserId":2,"currentUserName":"组长","currentStepName":"组长审批" }

data																
id	creator	creatorId	currentStepId	currentStepName	currentUserId	currentUserName	executor	executorId	formGroup	formId	formType	handledSteps	handledUsers	name	processId	status
1	aaaaa	1	3	组长审批	2	组长	普通员工	1	daily-event	1	daily-event			请假申请流程-BBB110	1	VERIFYING

11、请假申请实例关联请假申请审核流程实例

put--api/eav/values/1

Body: { "rowId":1,"attributeId":1,"attributeValue":1 }

data		
	code	data
	200	1
		操作成功

12、更改请假申请实例状态

put--api/eav/values/4

Body: { "rowId":1,"attributeId":4,"attributeValue":"VERIFYING" }

data		
	code	data
	200	1
		操作成功

13、登陆组长账号

14、组长审批，审批通过，推向部门审批

put--api/wf/instances/1/approve

Body: { "currentStepId":2,"currentUserId":3,"currentUserName":"部门审批","note":"可以啊，注意身体" }

data																
id	creator	creatorId	currentStepId	currentStepName	currentUserId	currentUserName	executor	executorId	formGroup	formId	formType	handledSteps	handledUsers	name	processId	status
1	aaaaa	1	2	部门审批	3	部门审批	普通员工	1	daily-event	1	daily-event	[3]	[2]	请假申请流程-BBB110	1	VERIFYING

15、登陆部门管理员账号

16、部门审批，审批通过，推给人事审批

put--api/wf/instances/1/approve

Body: { "currentStepId":1,"currentUserId":4,"currentUserName":"人事审批","note":"我同意" }

data																
id	creator	creatorId	currentStepId	currentStepName	currentUserId	currentUserName	executor	executorId	formGroup	formId	formType	handledSteps	handledUsers	name	processId	status
1	aaaaa	1	1	结束	4	人事审批	普通员工	1	daily-event	1	daily-event	[3,2]	[2,3]	请假申请流程-BBB110	1	VERIFYING

17、登陆人事账号

18、人事审批，审批通过，结束

put--api/wf/instances/1/approve

Body: { "currentStepId":1,"currentUserId":1,"currentUserName":"结束","note":"去吧去吧" }

data																
id	creator	creatorId	currentStepId	currentStepName	currentUserId	currentUserName	executor	executorId	formGroup	formId	formType	handledSteps	handledUsers	name	processId	status
1	aaaaa	1	1	结束			普通员工	1	daily-event	1	daily-event	[3,2,1]	[2,3,4]	请假申请流程-BBB110	1	CLOSE_APPROVED

19、更改订单实例状态

put--api/eav/values/5

Body: { "rowId":1,"attributeId":5,"attributeValue":"CLOSE_APPROVED" }

data		
	code	data
	200	1
		操作成功

20、查看订单实例

get--api/eav/entities/1/values/1

data				
	processInstanceId	reason	rowId	applicant
	1	VERIFYING	1	普通员工

		status
		CLOSE_APPROVED

21、查看流程实例

get--api/wf/instances/1

data

id	creator	creatorId	currentStepId	currentStepName	currentUserId	currentUserName	executor	executorId	formGroup	formId	formType	handledSteps	handledUsers	name	processId	status
1	aaaaa	1	1	结束			普通员工	1	daily-event	1	daily-event	[3,2,1]	[2,3,4]	请假申请流程-BBB110	1	CLOSE_APPROVED

22、查看审批历史纪录

get--api/wf/histories?formId=1

data															
row	id	formId	result	processInstanceId	formType	handleTime	attachments	processId	userName	userId	processInstanceName	stepId	stepName	comment	
0	1101060146106290177	1	INITED	1	daily-event	2019-02-28 18:02:49	[]	1	aaaaa	1	请假申请流程-BBB110				
1	1101060187915112449	1	HANDLED_APPROVED	1	daily-event	2019-02-28 18:02:58	[]	1	bbbbb	2	请假申请流程-BBB110	3	组长审批	可以啊，注意身体	
2	1101060209251536898	1	HANDLED_APPROVED	1	daily-event	2019-02-28 18:03:04	[]	1	ccccc	3	请假申请流程-BBB110	2	部门审批	我同意	
3	1101060231871418370	1	HANDLED_APPROVED	1	daily-event	2019-02-28 18:03:09	[]	1	ddddd	4	请假申请流程-BBB110	1	结束	去吧去吧	