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## 6 API documents

### Workload Allocation

Content	Allocated Members	Collaborators
Subject Module	Fu Xie	
Project Module	Jingdan Cui	
Team Module	Jinzhe Shan	
Confluence Module	Chongjing Zhang	
Jira Module	Haoyu Qin	
Git Module	Zisheng Cheng	Chongjing Zhang
Database DDLs	Boyang Sun	
Unified API Actions	Pin Wang	Boyang Sun

### Things to be done

- **Backlog**
  - Due Date: 17th April
  - Content: Based on the part you have chosen, please complete the backlog
  - Backlog documentation: [5.2 Sprint 1: Backlog](#)
  - Template: [5.1 Sprint 0: Backlog](#)
- **Code Writing and other Related Development**
  - Due Date: 27th April
  - Deploy back-end environment based on the instruction here: [7 Deployment](#)
  - Based on the allocation, write or edit code
  - Write unit test for your interface
  - Write essential comments in the code
  - Follow the code writing, committing, and reviewing instructions here: [Code Writing, Committing, and Reviewing Instructions](#)
- Unified Test and Product Review
  - Date: 27th April

## 6.1 Sprint 0: API

6.1.0 Database schema

6.1.1 Subject

6.1.2 Project

6.1.3 Team

6.1.4 Confluence

6.1.5 Jira

6.1.6 Git

# 6.1.0 Database schema

## 1.1 User account data

The user account is the identity created for coordinators and students in the system. The user account data includes personally identifiable information and authentication.

Coordinator

Field	Type	Null	Key	Default	Extra
id	int	No	PRI	NULL	auto_increment
username	varchar(30)	No	UNI	NULL	
email	varchar(128)	No	UNI	NULL	
password	varchar(256)	No		NULL	
create_date	Date	No		NULL	
update_date	Date	No		NULL	

Student

Field	Type	Null	Key	Default	Extra
id	int	No	PRI	NULL	auto_increment
username	varchar(30)	No	UNI	NULL	
email	varchar(128)	No	UNI	NULL	
password	varchar(256)	No		NULL	
create_date	Date	No		NULL	
update_date	Date	No		NULL	
git_username	varchar(30)	Yes	UNI	NULL	
atl_uername	varchar(30)	Yes	UNI	NULL	
slack_username	varchar(30)	Yes	UNI	NULL	
team_number	int	Yes	MUL	NULL	

## 1.2 Team data

Team data includes the basic details about the team, and members.

Team

Field	Type	Null	Key	Default	Extra
team_id	int	No	PRI	NULL	auto_increment
team_name	varchar(256)	No		NULL	
description	varchar(256)	Yes		NULL	
project_id	int	No	MUL	NULL	
project_name	varchar(256)	No		NULL	

Team\_member

Field	Type	Null	Key	Default	Extra
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id	int	No	PRI	NULL	auto_increment
team_id	int	Yes	MUL	NULL	
student_id	int	Yes	MUL	NULL	

### 1.3 Report and Project Data

The report data includes the process quality, product quality and communication for each team, and the individual quality for each student.

Project data records the basic information about the project.

Project

Field	Type	Null	Key	Default	Extra
project_id	int	No	PRI	NULL	auto_increment
project_name	varchar(128)	No		NULL	
description	varchar(256)	Yes		NULL	
team_id	int	Yes	MUL	NULL	

Process\_quality

Field	Type	Null	Key	Default	Extra
process_id	int	No	PRI	NULL	auto_increment
process_name	varchar(128)	No		NULL	
quality_report	varchar(256)	Yes		NULL	
team_id	int	Yes	MUL	NULL	

Product\_quality

Field	Type	Null	Key	Default	Extra
product_id	int	No	PRI	NULL	auto_increment
product_name	varchar(128)	No		NULL	
quality_report	varchar(256)	Yes		NULL	
team_id	int	Yes	MUL	NULL	

Communication\_quality

Field	Type	Null	Key	Default	Extra
communication_id	int	No	PRI	NULL	auto_increment
communication_name	varchar(128)	No		NULL	
quality_report	varchar(256)	Yes		NULL	
team_id	int	Yes	MUL	NULL	

Individual\_contribution

Field	Type	Null	Key	Default	Extra
contribution_id	int	No	PRI	NULL	auto_increment
contribution_name	varchar(128)	No		NULL	

quality_report	varchar(256)	Yes		NULL	
student_id	int	Yes	MUL	NULL	

# 6.1.1 Subject

## API Overview

API	URL	Method	Completed or Not
Add Subject	/api/:version/subject	POST	
Update Subject	/api/:version/subject/:id/update	POST	
Delete Subject	/api/:version/subject/:id/delete	POST	
Get Subject	/api/:version/subject/:id	GET	
Multi-Get Subject	/api/:version/subject	GET	

## API Detail

### Add Subject

Request

Item	Type	Necessary
name	string	true
code	string	true
coordinator_id	int	false

Response

Item	Type	Necessary	Note
code	int	true	statue code invalid_parameter: -2  subject_existed: -7  success: 0
message	string	true	error message

### Update Subject

Request

Item	Type	Necessary
id	int	true
name	string	false
code	string	false
coordinator_id	int	false

Response

Item	Type	Necessary	Note
code	int	true	statue code invalid_parameter: -2  success: 0
message	string	true	error message

### Delete Subject

Request

Item	Type	Necessary
id	int	true

Response

Item	Type	Necessary	Note
code	int	true	statue code invalid_parameter: -2  success: 0
message	string	true	error message

## Get Subject

Request

Item	Type	Necessary
id	int	true

Response

Item	Type	Necessary	Note
code	int	true	statue code invalid_parameter: -2  success: 0
message	string	true	error message
data	object	true	

Data

Item	Type	Necessary
id	int	true
name	string	true
code	string	true
coordinator	object	true
teams	int[]	true
status	int	true

Coordinator

Item	Type	Necessary
id	int	true
name	string	true
email	string	true
join_date	int	true
status	int	true

## Multi-Get Subject

Request

Item	Type	Necessary	Note
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offset	int	false	default=0
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Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0
message	string	true	error message
data	object	true	

Data

Item	Type	Necessary	Note
ids	int[]	true	list of subject ids
has_more	int	true	
offset	int	true	

# 6.1.2 Project

## API Overview

API	URL	Method	Completed or Not
Create Project	/api/:version/subject/:subject_id/project	POST	
Update Project	/api/:version/subject/:subject_id/project/update	POST	
Get Projects	/api/:version/subject/:subject_id/project	GET	

## API Detail

### Create Project

Request

Item	Type	Necessary	Note
project_name	string	true	
description	string	true	
start_date	int	true	
expired	int	false	the expired time of this project
supervisor_id	int	false	

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

### Update Project

Request

Item	Type	Necessary	Note
project_name	string	true	
description	string	false	
start_date	int	false	
expired	int	false	the expired time of this project
supervisor_id	int	false	

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

### Get Projects

Request

Item	Type	Necessary	Note
ids	int[]	false	
start_date	int	false	
expired	int	false	the expired time of this project

offset	int	false	
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#### Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
body	object	true	

#### Body

Item	Type	Necessary
projects	project[]	true
has_more	boolean	true
offset	int	true

#### Project

Item	Type	Necessary
id	int	true
name	string	true
description	string	true
create_date	int	true
expired	int	true

## API Overview

API	URL	Method	Completed or Not
Create Project	/api/:version/subject/:subject_id/project	POST	
Update Project	/api/:version/subject/:subject_id/project/update	POST	
Get Projects	/api/:version/subject/:subject_id/project	GET	

## API Detail

### Create Project

#### Request

Item	Type	Necessary	Note
project_name	string	true	
description	string	true	
start_date	int	true	
expired	int	false	the expired time of this project
supervisor_id	int	false	

#### Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

## Update Project

Request

Item	Type	Necessary	Note
project_name	string	true	
description	string	false	
start_date	int	false	
expired	int	false	the expired time of this project
supervisor_id	int	false	

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

## Get Projects

Request

Item	Type	Necessary	Note
ids	int[]	false	
start_date	int	false	
expired	int	false	the expired time of this project
offset	int	false	

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
body	object	true	

Body

Item	Type	Necessary
projects	project[]	true
has_more	boolean	true
offset	int	true

Project

Item	Type	Necessary
id	int	true
name	string	true
description	string	true
create_date	int	true
expired	int	true

# 6.1.3 Team

## API Overview

API	URL	Method	Completed or Not
Create Team	/api/:version/team	POST	
Get Team List	/api/:version/team	GET	
Get Team Members	/api/:version/team/:id	GET	
Update Team	/api/:version/team/:id	POST	
Configure Team Member	/api/:version/team/:id/members/:team_member_id	POST	
Get Team Member Configuration	/api/:version/team/:id/members/:team_member_id	GET	
Configure Team	/api/:version/team/:team_id/configuration	POST	

## API Detail

### Create Team

Request

Item	Type	Necessary	Note
team_name	string	true	team_name should be exactly the same as that in confluence

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

### Get Team List

Request

Item	Type	Necessary	Note
account_id	int	true	
offset	int	false	default=0

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
body	object	true	

Body

Item	Type	Necessary	Note
teams	team[]	true	team list
has_more	boolean	true	
offset	int	true	

### Get Team Members

Request

Item	Type	Necessary
team_id	int	true

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
body	object	true	

Body

Item	Type	Necessary	Note
name	string	true	team name
members	object[]	true	students

## Update Team

Request

Item	Type	Necessary
team_id	int	true

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

## Configure Team Member

Request

Item	Type	Necessary	Note
team_id	int	true	in url
team_member_id	int	true	in url
git_name	string	false	
slack_email	string	false	
atl_account	string	false	

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

## Get Team Member Configuration

Request

Item	Type	Necessary	Note
team_id	int	true	in url
team_member_id	int	true	in url

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
data	object	true	

Data

Item	Type	Necessary	Note
git_name	string	true	
slack_email	string	true	
atl_account	string	true	

## API Overview

API	URL	Method	Completed or Not
Create Team	/api/:version/team	POST	
Get Team List	/api/:version/team	GET	
Get Team Members	/api/:version/team/:id	GET	
Update Team	/api/:version/team/:id	POST	
Configure Team Member	/api/:version/team/:id/members/:team_member_id	POST	
Get Team Member Configuration	/api/:version/team/:id/members/:team_member_id	GET	
Configure Team	/api/:version/team/team_id/configuration	POST	

## API Detail

### Create Team

Request

Item	Type	Necessary	Note
team_name	string	true	team_name should be exactly the same as that in confluence

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

### Get Team List

Request

Item	Type	Necessary	Note
account_id	int	true	
offset	int	false	default=0

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
body	object	true	

Body

Item	Type	Necessary	Note
teams	team[]	true	team list
has_more	boolean	true	
offset	int	true	

## Get Team Members

Request

Item	Type	Necessary
team_id	int	true

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
body	object	true	

Body

Item	Type	Necessary	Note
name	string	true	team name
members	object[]	true	students

## Update Team

Request

Item	Type	Necessary
team_id	int	true

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message

## Configure Team Member

Request

Item	Type	Necessary	Note
team_id	int	true	in url
team_member_id	int	true	in url
git_name	string	false	
slack_email	string	false	
atl_account	string	false	

Response

Item	Type	Necessary	Note
code	int	true	status code



message	string	true	error message
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## Get Team Member Configuration

Request

Item	Type	Necessary	Note
team_id	int	true	in url
team_member_id	int	true	in url

Response

Item	Type	Necessary	Note
code	int	true	status code
message	string	true	error message
data	object	true	

Data

Item	Type	Necessary	Note
git_name	string	true	
slack_email	string	true	
atl_account	string	true	

# 6.1.4 Confluence

## API Overview

API	URL	Method	Completed or Not
Get Confluence Space	/api/:version/confluence/space/:space_key	GET	
Get Pages by Confluence Space	/api/:version/confluence/space/:space_key/pages	GET	
Get a Page and its Contributors	/api/:version/confluence/space/:space_key/pages/:page_id	GET	
Get all accessible user groups	/api/:version/confluence/groups	GET	
Get members by user group	/api/:version/confluence/groups/:group_name/members	GET	
Get a user's details	/api/:version/confluence/users/:username	GET	
Search team by year or subject code	/api/:version/confluence/groups/searchteam/:keyword	GET	

## API Detail

### Get Confluence Space

Request

Item	Type	Necessary	Note
space_key	string	true	In the form of COMP900822021SM1SP

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary
id	int	true
key	string	true
name	string	true
home_page	object	true

Home\_page

Item	Type	Necessary
id	string	true
type	string	true
title	string	true

### Get Pages by Confluence Space

Request

Item	Type	Necessary	Note
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space_key	string	true	In the form of COMP900822021SM1SP
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Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	object[]	false	

Data

Item	Type	Necessary	Note
id	string	true	
type	string	true	should be "pages" for all instances
title	string	true	

## Get a Page and its Contributors

Request

Item	Type	Necessary	Note
space_key	string	true	In the form of COMP900822021SM1SP
page_id	int	true	

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary
createdBy	object	true
createdDate	string	true
contributors	object	true

createdBy

Item	Type	Necessary
type	string	true
username	string	true
userkey	string	true
profilePicture	object	true
displayName	string	true

profilePicture

Item	Type	Necessary
path	string	true
width	int	true
height	int	true
isDefault	boolean	true

contributors

Item	Type	Necessary
publishers	object	true

publishers

Item	Type	Necessary	Note
users	object[]	true	Structure for a user object is the same as 'createdBy'. Refer above

## Get all accessible user groups

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	string[]	false	

Data

Item	Type	Necessary	Note
name	string	true	Use this name to access 'members' for the 'Get members by user group' API

## Get members by user group

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	object[]	false	

Data

Item	Type	Necessary
type	string	true
username	string	true
userkey	string	true
profilePicture	object	true
displayName	string	true

profilePicture

Item	Type	Necessary
path	string	true
width	int	true
height	int	true
isDefault	boolean	true

Get a user's details

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0 failure: -1
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary
type	string	true
username	string	true
userkey	string	true
profilePicture	object	true
displayName	string	true

profilePicture

Item	Type	Necessary
path	string	true
width	int	true
height	int	true
isDefault	boolean	true

Search team by year or subject code

Parameters

Item	Type	Necessary
keywod	string	true

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0 failure: -1
message	string	true	error message

data	string[]	false	team names
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# 6.1.5 Jira

## API Overview

API	URL	Method	Completed or Not
Get tickets of a student	/api/:version/jira/:team/tickets/:student_id	GET	
Get tickets of a team	/api/:version/jira/:team/tickets	GET	

## API Detail

### Get tickets of a student

Parameters

Item	Type	Necessary	Note
team	string	true	team name
student_id	string	true	student id

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary
student_id	string	true
count_issues_total	int	true
count_issues_to_do	int	true
count_issues_progress	int	true
count_issues_in_review	int	true
count_issues_done	int	true
count_issues_review	int	true

### Get tickets of a team

Parameters

Item	Type	Necessary	Note
team	string	true	team name

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1

message	string	true	error message
data	object	false	

Data

Item	Type	Necessary
team	string	true
count_issues_total	int	true
count_issues_to_do	int	true
count_issues_progress	int	true
count_issues_in_review	int	true
count_issues_done	int	true
count_issues_review	int	true

## API Overview

API	URL	Method	Completed or Not
Get tickets of a student	/api/:version/jira/:team/tickets/:student_id	GET	
Get tickets of a team	/api/:version/jira/:team/tickets	GET	

## API Detail

### Get tickets of a student

Parameters

Item	Type	Necessary	Note
team	string	true	team name
student_id	string	true	student id

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary
student_id	string	true
count_issues_total	int	true
count_issues_to_do	int	true
count_issues_progress	int	true
count_issues_in_review	int	true
count_issues_done	int	true
count_issues_review	int	true



Get tickets of a team

Parameters

Item	Type	Necessary	Note
team	string	true	team name

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary
team	string	true
count_issues_total	int	true
count_issues_to_do	int	true
count_issues_progress	int	true
count_issues_in_review	int	true
count_issues_done	int	true
count_issues_review	int	true

# 6.1.6 Git

## API Overview

API	URL	Method	Completed or Not
Get Git Log Data	:/api/:version/git/commit	POST	
Get Pull Request	:/api/:version/git/pullrequest	POST	

## API Detail

### Get Git Log Data

Request

Item	Type	Necessary	Note
url	string	true	URL for git repository
author	string	false	Give a specific author name to see individual commits. If the author name is not given, it will return the total commits for the whole repository.
before	int	false	
after	int	false	
branch	string	false	default: master

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -2
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary	Note
total	int	true	total number of commits
author	string[]	true	author names
file_changed	int	true	total number of files changed
insertion	int	true	total number of insertions
deletion	int	true	total number of deletions
commits	object[]	true	total numbers of commits

commit

Item	Type	Necessary
hash	string	true
author	string	true
date	int	true
description	string	true
file_changed	int	true
insertion	int	true

deletion	int	true
----------	-----	------

## Get Pull Request

Request

Item	Type	Necessary	Note
url	string	true	URL for git repository
author	string	false	Give a specific author name to see individual commits. If the author name is not given, it will return the total commits for the whole repository.
before	int	false	
after	int	false	
branch	string	false	default: master

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -2
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary	Note
total	int	true	total number of commits
author	string[]	true	author names
commits	object[]	true	total numbers of commits

commit

Item	Type	Necessary
hash	string	true
author	string	true
date	int	true
description	string	true

## API Overview

API	URL	Method	Completed or Not
Get Git Log Data	:/api/:version/git/commit	POST	
Get Pull Request	:/api/:version/git/pullrequest	POST	

## API Detail

### Get Git Log Data

Request

Item	Type	Necessary	Note
url	string	true	URL for git repository

author	string	false	Give a specific author name to see individual commits. If the author name is not given, it will return the total commits for the whole repository.
before	int	false	
after	int	false	
branch	string	false	default: master

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -2
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary	Note
total	int	true	total number of commits
author	string[]	true	author names
file_changed	int	true	total number of files changed
insertion	int	true	total number of insertions
deletion	int	true	total number of deletions
commits	object[]	true	total numbers of commits

commit

Item	Type	Necessary
hash	string	true
author	string	true
date	int	true
description	string	true
file_changed	int	true
insertion	int	true
deletion	int	true

# Get Pull Request

Request

Item	Type	Necessary	Note
url	string	true	URL for git repository
author	string	false	Give a specific author name to see individual commits. If the author name is not given, it will return the total commits for the whole repository.
before	int	false	
after	int	false	
branch	string	false	default: master

Response

Item	Type	Necessary	Note
------	------	-----------	------

code	int	true	statue code success: 0 failure: -2
message	string	true	error message
data	object	false	

Data

Item	Type	Necessary	Note
total	int	true	total number of commits
author	string[]	true	author names
commits	object[]	true	total numbers of commits

commit

Item	Type	Necessary
hash	string	true
author	string	true
date	int	true
description	string	true

# 6.2 Sprint 1: API

- 
- Confluence
  - Get Confluence Space
  - Import Project in Batch
  - Get Imported Projects
  - Get User List
  - Get Page Count by Time
  - Get Meeting Munites
  - Get Individual Contribution on Confluence Pages
- Git
  - Get Git Commit Count by Time
  - Get Individual Contribution on Git Commits
  - Get Code Metrics
  - Get Jira TO\_DO/IN\_PROGRESS/DONE Count by Time
  - Get Individual Contribution on Jira DONE Count Tickets
  - Set Github and Jira Url

## Confluence

### Get Confluence Space

GET

/api/:version/confluence/spaces/:key\_word

Parameter

Item	Type	Necessary	Note
key_word	string	true	A key word that is contained in the space key. For example, 'COMP90082' is a key word, and the full space key is 'COMP900822021SM1SP'

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0 failure: -1
message	string	true	error message
data	string[]	false	list of space keys

### Import Project in Batch

POST

/api/:version/team/import

Request

Item	Type	Necessary	Note
coordinator_id	int	true	
spaces	[ ]string	true	A list of confluence space key. For example 'COMP900822021SM1SP'. Space key is the unique identifier of a team

Response

Item	Type	Necessary	Note
------	------	-----------	------

code	int	true	statue code success: 0 failure: -1
message	string	true	error message

## Get Imported Projects

GET

/api/:version/confluence/imported\_projects

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	[ ]Project	false	list of project space keys and space names

Project

Item	Type	Necessary	Note
space_key	string	true	example: "COMP900822021SM1SP"
space_name	string	true	example: "COMP90082-2021-SM1-SP"

## Get User List

GET

/api/:version/team/:space\_key

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	UserInfo[]	false	list of user infos that have permission to this confluence space

UserInfo

Item	Type	Necessary	Note
name	string	true	display name on Confluence
id	string	true	student id
email	string	true	unimelb email
picture	string	true	profile picture path on Confluence

## Get Page Count by Time

GET

/api/:version/confluence/spaces/:space\_key/page\_count

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0 failure: -1
message	string	true	error message
data	PageCount[]	false	list of time, page count pairs

PageCount

Item	Type	Necessary	Note
time	int	true	a timestamp in unix time
page_count	int	true	number of pages exists in the confluence space at the time `time`

## Get Meeting Munites

GET

/api/:version/confluence/:space\_key/meeting\_minutes

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0 failure: -1
message	string	true	error message
data	MeetingMinute[]	false	list of meeting minutes

MeetingMinute

Item	Type	Necessary	Note
title	string	true	title of this confluence page
link	string	true	link to this page

Note: this api should search all confluence pages that contains "meeting" and "minutes" in the page title.

## Get Individual Contribution on Confluence Pages

GET

**Note:** this is an existing api implemented by the previous team, only need few changes.

/api/:version/confluence/spaces/:space\_key/pages/contributions

Parameter



Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  failure: -1
message	string	true	error message
data	PageEditCount[]	false	list of student name, page count pairs

PageEditCount

Item	Type	Necessary	Note
student	string	true	student's name (display name)
page_count	int	true	number of pages edited by the student in the confluence space

## Git

### Get Git Commit Count by Time

GET

/api/:version/git/:space\_key/commit\_count

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'. Use space key to find the corresponding team and their git repo address.

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  failure: -1
message	string	true	error message
data	CommitCount	false	list of time, commit count pairs

CommitCount

Item	Type	Necessary	Note
time	int	true	a timestamp in unix time
commit_count	int	true	number of commits in the git repository at the time `time`

### Get Individual Contribution on Git Commits

GET

/api/:version/git/:space\_key/commit/contributions

Parameter

Item	Type	Necessary	Note
------	------	-----------	------

space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'. Use space key to find the corresponding team and their git repo address.
-----------	--------	------	--

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  failure: -1
message	string	true	error message
data	CommitCount[]	false	list of student name, number of commits

CommitCount

Item	Type	Necessary	Note
student	string	true	student's name
commit_count	int	true	number of commits made by the student

## Get Code Metrics

GET

/api/:version/individual/git/:space\_key/metrics

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'. Use space key to find the corresponding team and their git repo address.

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  failure: -1
message	string	true	error message
data	Metrics[]	false	list of version and correspondence code metrics

Metrics

Item	Type	Necessary	Note
space_key	string	true	space_key
file_count	int	true	
class_count	int	true	
function_count	int	true	
code_lines_count	int	true	
comment_lines_count	int	true	
comment_to_code_ratio	float	true	
declarative_lines_count	int	true	
executable_lines_count	int	true	

# Jira

## Get Jira TO\_DO/IN\_PROGRESS/DONE Count by Time

GET

/api/:version/jira/:space\_key/ticket\_count

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'. Use space key to find the corresponding team and their Jira project.

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  failure: -1
message	string	true	error message
data	[]TicketCount	false	list of time, to-do ticket count, in-progress ticket count, done ticket count

TicketCount

Item	Type	Necessary	Note
time	int	true	a timestamp in unix time
to_do	int	true	number of to-do tickets at the time `time`
in_progress	int	true	number of in-progress tickets at the time `time`
done	int	true	number of done tickets at the time `time`

## Get Individual Contribution on Jira DONE Count Tickets

GET

/api/:version/jira/:space\_key/contributions

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'. Use space key to find the corresponding team and their Jira project.

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  failure: -1
message	string	true	error message
data	[]DoneCount	false	list of student name, number of done ticket

DoneCount

Item	Type	Necessary	Note
student	string	true	student's name (display name)
done_count	int	true	number of done tickets by the student

# Set Github and Jira Url

POST

/api/:version/team/config

Request

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'. It is the unique identifier of a team.
jira_url	string	true	
git_url	string	true	

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message

# 6.2.1 Acceptance Test

## Get Confluence Space

GET

http://127.0.0.1:8000/api/v1/confluence/spaces/-key\_word

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Path Variables

KEY	VALUE	DESCRIPTION	...	Bulk Edit
key_word	comp	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 17.01 s

Size: 294 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     "COMP900822021SM1SP",
6     "COMP90082"
7   ]
8 }
```

## Get Space Keys

GET

http://127.0.0.1:8000/api/v1/team/-space\_key

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Path Variables

KEY	VALUE	DESCRIPTION	...	Bulk Edit
space_key	CON	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 74 ms

Size: 2.71 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "name": "Boyang Sun",
7       "id": "boyangs",
8       "email": "boyangs@student.unimelb.edu.au",
9       "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
10    },
11    {
12       "name": "Ruofan Zhang",
13       "id": "ruoizhang",
14       "email": "ruoizhang@student.unimelb.edu.au",
15       "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
16    },
17    {
18       "name": "Chongjing ZHANG",
19       "id": "chongjing",
20       "email": "chongjing@student.unimelb.edu.au",
21       "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
22    }
23  ]
24 }
```

## Get Page Count by Time

GET Get Page Count b...

Get Page Count b...

No Environment

confluence-wp / Get Page Count by Time

GET

http://127.0.0.1:8000/api/v1/confluence/spaces/space\_key/page\_count

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	CON	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 19 ms Size: 845 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "time": 1618416000,
7       "page_count": 1
8     },
9     {
10      "time": 1618502400,
11      "page_count": 1
12     },
13     {
14      "time": 1618588800,
15      "page_count": 1
16     },
17     {
18      "time": 1618675200,
19      "page_count": 1
20     }
21   ]
22 }
```

## Get Meeting Minutes

Overview

GET http://127.0.0.1:80...

No Environment

http://127.0.0.1:8000/api/v1/confluence/space\_key/meeting\_minutes

GET

http://127.0.0.1:8000/api/v1/confluence/space\_key/meeting\_minutes

Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	Bulk Edit
Key	Value	

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	COMP900822021SM1SP	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 41 ms Size: 2.98 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "title": "Meeting with client #1",
7       "link": "https://confluence.cis.unimelb.edu.au:8443//pages/viewpage.action?pageId=74781618"
8     },
9     {
10      "title": "Meeting Notes for 23rd March",
11      "link": "https://confluence.cis.unimelb.edu.au:8443//display/COMP900822021SM1SP/Meeting+Notes+for+23rd+March"
12     },
13     {
14      "title": "10 Meetings",
15      "link": "https://confluence.cis.unimelb.edu.au:8443//display/COMP900822021SM1SP/10+Meetings"
16     },
17     {
18      "title": "Meeting Notes for 28th, March",
19      "link": "https://confluence.cis.unimelb.edu.au:8443//display/COMP900822021SM1SP/Meeting+Notes+for+28th+March"
20     },
21     {
22      "title": "Front-end Meeting Notes on 28th March - ",
23      "link": "https://confluence.cis.unimelb.edu.au:8443//pages/viewpage.action?pageId=74787344"
24     }
25   ]
26 }
```

Test case pass screenshot

## Import project in Batch

GET 127 [CONFLICT] POST http... Release Notes + No Environment

http://127.0.0.1:8082/appointment/list/add Save

POST 127.0.0.1:8000/api/v1/project/import... Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION	Bulk Edit
<input checked="" type="checkbox"/> coordinator	bob		
<input checked="" type="checkbox"/> project_list	sp,ab,bp		
Key	Value	Description	

Body Cookies Headers (7) Test Results 200 OK 36 ms 263 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": null
5 }
```

开始事务 文本 筛选 排序 导入 导出				
id	coordinator_id	space_key	git_url	jira_project
1	1	sp		
2	1	ab		
3	1	bp		

## Get Imported Project

GET http://127.0.0.1:8000/api/v1/confluence/imported\_projects ...

Params Authorization Headers (6) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE
Key	Text Value

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "space_key": "COMP900822021SM1SP",
7       "space_name": "COMP90082-2021-SM1-SP"
8     }
9   ]
10 }
```

## Get Git Commit Count by Date

Git\_Commits Copy / Git\_Commits\_Count

GET http://127.0.0.1:8000/api/v1/git/commit/space\_key

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
key	Value	Description	

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	test	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 961 ms Size: 2.81 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {}
2 {"code": 0,
3  "message": "success",
4  "data": {
5    {
6      "commit_count": "199",
7      "date": "1605272400"
8    },
9    {
10     "commit_count": "193",
11     "date": "1605899600"
12   },
13   {
14     "commit_count": "192",
15     "date": "1604848600"
16   },
17   {
18     "commit_count": "191",
19     "date": "1604754800"
20   },
21   {
22     "commit_count": "189",
23     "date": "1604467600"
24   },
25   {
26     "commit_count": "188",
```

## Get Individual Contribution on git commits

New Collection / New Request

GET http://127.0.0.1:8000/api/v1/jira/issue/0013-2020-sp/contributions

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
key	Value	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 3512 s Size: 2.45 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "student": "Shen yutong",
7       "done_count": 0
8     },
9     {
10      "student": "SDV Deployment",
11      "done_count": 0
12    },
13    {
14      "student": "Azman Yazdi Azethna",
15      "done_count": 0
16    },
17    {
18      "student": "Admin Admin",
19      "done_count": 0
20    },
21    {
22      "student": "Admin Internal",
23      "done_count": 0
24    },
25    {
26      "student": "Samez Adza",
27      "done_count": 0
28    }
29  ],
30 }
```

## Get Individual Contribution on Jira DONE Count Tickets



New Collection / New Request

GET http://127.0.0.1:8000/api/v1/jira/issue/90013-2020-sp/contributions

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 3512 s Size: 2.46 KB Save Response

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "student": "Shen yutong",
7       "done_count": 0
8     },
9     {
10      "student": "3DV Deployment",
11      "done_count": 0
12    },
13    {
14      "student": "Arman Yazdi Arethna",
15      "done_count": 0
16    },
17    {
18      "student": "admin admin",
19      "done_count": 0
20    },
21    {
22      "student": "Admin Internal",
23      "done_count": 0
24    },
25    {
26      "student": "Samer Adra",
27      "done_count": 0
28    }
29  ]
30 }
```

Result Grid

	id	student	done_count
▶	1	Shen yutong	0
	2	3DV Deployment	0
	3	Arman Yazdi Arethna	0
	4	admin admin	0
	5	Admin Internal	0
	6	Samer Adra	0
	7	Alexandra Fritzen	0
	8	Austen Mcdernon	0
	9	Andrew Irlitti	0
	10	Anuradha Gupta	0
	11	Aparna	0
	12	Andrzej Poniatowski	0

contributions 1

## Get Jira TO\_DO/IN\_PROGRESS/DONE Count by Time

New Collection / New Request

GET http://127.0.0.1:8000/api/v1/jira/issue/90013-2020-sp/auto\_ticket\_count

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 5.75 s Size: 335 B Save Response

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": {
5     "time": "2021-04-30 12:20:13",
6     "to_do": 68,
7     "in_progress": 4,
8     "done": 117
9   }
10 }
```

	id	count_time	todo	in_progress	done	space_key
	92	2021-04-30 00:53:53	50	4	117	swen90013-2020-sp
	93	2021-04-30 00:54:08	50	4	117	swen90013-2020-sp
	94	2021-04-30 12:20:13	50	4	117	swen90013-2020-sp
	95	2021-04-30 12:20:26	50	4	117	swen90013-2020-sp
	96	2021-04-30 12:20:40	50	4	117	swen90013-2020-sp
	97	2021-04-30 12:20:58	50	4	117	swen90013-2020-sp
	98	2021-04-30 12:21:10	50	4	117	swen90013-2020-sp
	99	2021-04-30 12:21:25	50	4	117	swen90013-2020-sp
	100	2021-04-30 12:21:41	50	4	117	swen90013-2020-sp
	101	2021-04-30 12:21:55	50	4	117	swen90013-2020-sp
	102	2021-04-30 12:22:12	50	4	117	swen90013-2020-sp
⌕	NULL	NULL	NULL	NULL	NULL	NULL

## Set Github and Jira Url

New Collection / New Request

POST

http://127.0.0.1:8000/api/v1/jira/swen90013-2020-sp/config

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> gitUrl	test@test.com	
<input checked="" type="checkbox"/> jiraUrl	test1@test.com	
Key	Value	Description

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 60 ms

Size: 263 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```

1 {
2   "code": 0,
3   "message": "success",
4   "data": null
5 }

```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	id	space_key	jira_url	git_url
	10	swen90013-2020-sp	234.com	123.com
	11	swen90013-2020-sp	234.com	123.com
	12	swen90013-2020-sp	234.com	123.com
	13	swen90013-2020-sp	1	1123
	14	swen90013-2020-sp	1	1123
	15	swen90013-2020-sp	1	1123
	16	swen90013-2020-sp	1	1123
	17	swen90013-2020-sp	1	1123
	18	swen90013-2020-sp	1	1123
	19	swen90013-2020-sp	1	1122
	20	swen90013-2020-sp	test1@test.com	test@test.com
⌕	NULL	NULL	NULL	NULL

## Get Confluence Space

GET http://127.0.0.1:8000/api/v1/confluence/spaces/:key\_word Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Path Variables

KEY	VALUE	DESCRIPTION	...	Bulk Edit
key_word	comp	Description		

Body Cookies Headers (7) Test Results Status: 200 OK Time: 17.01 s Size: 294 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     "COMP900822021SM1SP",
6     "COMP90082"
7   ]
8 }
```

## Get Space Keys

GET http://127.0.0.1:8000/api/v1/team/space\_key Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Path Variables

KEY	VALUE	DESCRIPTION	...	Bulk Edit
space_key	CON	Description		

Body Cookies Headers (7) Test Results Status: 200 OK Time: 74 ms Size: 2.71 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "name": "Boyang Sun",
7       "id": "boyangs",
8       "email": "boyangs@student.unimelb.edu.au",
9       "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
10    },
11    {
12       "name": "Ruofan Zhang",
13       "id": "ruofzhang",
14       "email": "ruofzhang@student.unimelb.edu.au",
15       "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
16    },
17    {
18       "name": "Chongjing ZHANG",
19       "id": "chongjing",
20       "email": "chongjing@student.unimelb.edu.au",
21       "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
22    }
23  ]
24 }
```

## Get Page Count by Time

GET Get Page Count b...

Get Page Count b...

No Environment

confluence-wp / Get Page Count by Time

GET

http://127.0.0.1:8000/api/v1/confluence/spaces/space\_key/page\_count

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	CON	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 19 ms Size: 845 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "time": 1618416000,
7       "page_count": 1
8     },
9     {
10      "time": 1618502400,
11      "page_count": 1
12     },
13     {
14      "time": 1618588800,
15      "page_count": 1
16     },
17     {
18      "time": 1618675200,
19      "page_count": 1
20     }
21   ]
22 }
```

## Get Meeting Minutes

Overview

GET http://127.0.0.1:80...

No Environment

http://127.0.0.1:8000/api/v1/confluence/space\_key/meeting\_minutes

GET

http://127.0.0.1:8000/api/v1/confluence/space\_key/meeting\_minutes

Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	Bulk Edit
Key	Value	

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	COMP900822021SM1SP	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 41 ms Size: 2.98 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "title": "Meeting with client #1",
7       "link": "https://confluence.cis.unimelb.edu.au:8443/pages/viewpage.action?pageId=74781618"
8     },
9     {
10      "title": "Meeting Notes for 23rd March",
11      "link": "https://confluence.cis.unimelb.edu.au:8443/display/COMP900822021SM1SP/Meeting+Notes+for+23rd+March"
12     },
13     {
14      "title": "10 Meetings",
15      "link": "https://confluence.cis.unimelb.edu.au:8443/display/COMP900822021SM1SP/10+Meetings"
16     },
17     {
18      "title": "Meeting Notes for 20th, March",
19      "link": "https://confluence.cis.unimelb.edu.au:8443/display/COMP900822021SM1SP/Meeting+Notes+for+20th+March"
20     },
21     {
22      "title": "Front-end Meeting Notes on 28th March -",
23      "link": "https://confluence.cis.unimelb.edu.au:8443/pages/viewpage.action?pageId=74787344"
24     }
25   ]
26 }
```

Test case pass screenshot

## Import project in Batch

GET 127 [CONFLICT] POST http... Release Notes + No Environment

http://127.0.0.1:8082/appointment/list/add Save

POST 127.0.0.1:8000/api/v1/project/import... Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION	Bulk Edit
<input checked="" type="checkbox"/> coordinator	bob		
<input checked="" type="checkbox"/> project_list	sp,ab,bp		
Key	Value	Description	

Body Cookies Headers (7) Test Results 200 OK 36 ms 263 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": null
5 }
```

开始事务 文本 筛选 排序 导入 导出				
id	coordinator_id	space_key	git_url	jira_project
1	1	sp		
2	1	ab		
3	1	bp		

## Get Imported Project

GET http://127.0.0.1:8000/api/v1/confluence/imported\_projects...

Params Authorization Headers (6) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE
Key	Text Value

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "space_key": "COMP900822021SM1SP",
7       "space_name": "COMP90082-2021-SM1-SP"
8     }
9   ]
10 }
```

## Get Git Commit Count by Date

Git\_Commits Copy / Git\_Commits\_Count

GET http://127.0.0.1:8000/api/v1/git/commit/space\_key

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
key	Value	Description	

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	test	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 961 ms Size: 2.81 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {}
2 {"code": 0,
3  "message": "success",
4  "data": {
5    {
6      "commit_count": "199",
7      "date": "1605272400"
8    },
9    {
10     "commit_count": "193",
11     "date": "1605899600"
12   },
13   {
14     "commit_count": "192",
15     "date": "1604848600"
16   },
17   {
18     "commit_count": "191",
19     "date": "1604754800"
20   },
21   {
22     "commit_count": "189",
23     "date": "1604447600"
24   },
25   {
26     "commit_count": "188",
```

## Get Individual Contribution on git commits

New Collection / New Request

GET http://127.0.0.1:8000/api/v1/jira/seen0013-2020-sp/contributions

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
key	Value	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 3512 s Size: 2.45 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "student": "Shen yutong",
7       "done_count": 0
8     },
9     {
10      "student": "SDV Deployment",
11      "done_count": 0
12    },
13    {
14      "student": "Azman Yazdi Azethna",
15      "done_count": 0
16    },
17    {
18      "student": "Admin admin",
19      "done_count": 0
20    },
21    {
22      "student": "Admin Internal",
23      "done_count": 0
24    },
25    {
26      "student": "Samez Adza",
27      "done_count": 0
28    }
29  ],
30 }
```

## Get Individual Contribution on Jira DONE Count Tickets

New Collection / New Request

GET http://127.0.0.1:8000/api/v1/jira/issue/90013-2020-sp/contributions

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 3512 s Size: 2.46 KB Save Response

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "student": "Shen yutong",
7       "done_count": 0
8     },
9     {
10      "student": "3DV Deployment",
11      "done_count": 0
12    },
13    {
14      "student": "Arman Yazdi Arethna",
15      "done_count": 0
16    },
17    {
18      "student": "admin admin",
19      "done_count": 0
20    },
21    {
22      "student": "Admin Internal",
23      "done_count": 0
24    },
25    {
26      "student": "Samer Adra",
27      "done_count": 0
28    }
29  ]
30 }
```

Result Grid

	id	student	done_count
▶	1	Shen yutong	0
	2	3DV Deployment	0
	3	Arman Yazdi Arethna	0
	4	admin admin	0
	5	Admin Internal	0
	6	Samer Adra	0
	7	Alexandra Fritzen	0
	8	Austen Mcdernon	0
	9	Andrew Irlitti	0
	10	Anuradha Gupta	0
	11	Aparna	0
	12	Andrzej Poniatowski	0

contributions 1

## Get Jira TO\_DO/IN\_PROGRESS/DONE Count by Time

New Collection / New Request

GET http://127.0.0.1:8000/api/v1/jira/issue/90013-2020-sp/auto\_ticket\_count

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 5.75 s Size: 335 B Save Response

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": {
5     "time": "2021-04-30 12:20:13",
6     "to_do": 68,
7     "in_progress": 4,
8     "done": 117
9   }
10 }
```

	id	count_time	todo	in_progress	done	space_key
	92	2021-04-30 00:53:53	50	4	117	swen90013-2020-sp
	93	2021-04-30 00:54:08	50	4	117	swen90013-2020-sp
	94	2021-04-30 12:20:13	50	4	117	swen90013-2020-sp
	95	2021-04-30 12:20:26	50	4	117	swen90013-2020-sp
	96	2021-04-30 12:20:40	50	4	117	swen90013-2020-sp
	97	2021-04-30 12:20:58	50	4	117	swen90013-2020-sp
	98	2021-04-30 12:21:10	50	4	117	swen90013-2020-sp
	99	2021-04-30 12:21:25	50	4	117	swen90013-2020-sp
	100	2021-04-30 12:21:41	50	4	117	swen90013-2020-sp
	101	2021-04-30 12:21:55	50	4	117	swen90013-2020-sp
	102	2021-04-30 12:22:12	50	4	117	swen90013-2020-sp
⌕	NULL	NULL	NULL	NULL	NULL	NULL

# Set Github and Jira Url

New Collection / New Request

Save

⋮

⌕

POST

http://127.0.0.1:8000/api/v1/jira/swen90013-2020-sp/config

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> gitUrl	test@test.com	
<input checked="" type="checkbox"/> jiraUrl	test1@test.com	
Key	Value	Description

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 60 ms

Size: 263 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```

1  {
2    "code": 0,
3    "message": "success",
4    "data": null
5  }
```

Result Grid

Filter Rows:

Edit:

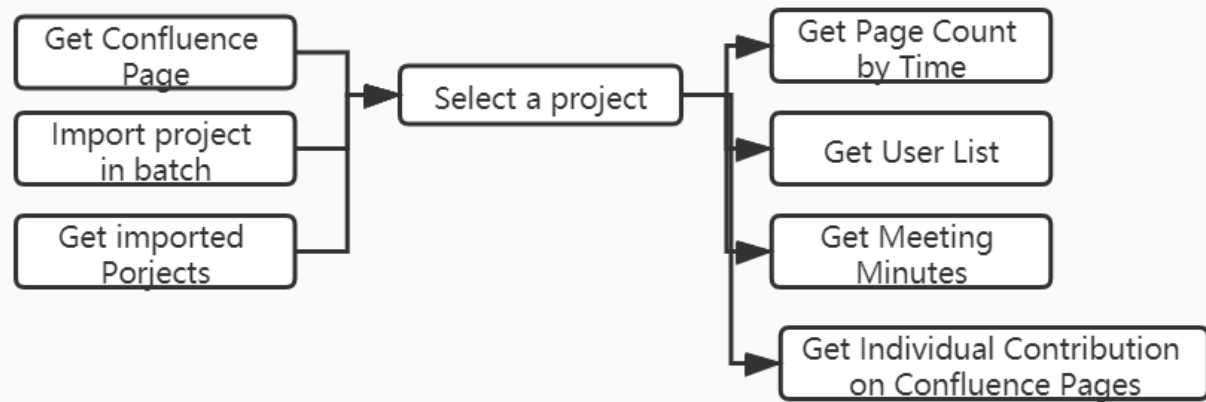
Export/Import:

Wrap Cell Content:

	id	space_key	jira_url	git_url
	10	swen90013-2020-sp	234.com	123.com
	11	swen90013-2020-sp	234.com	123.com
	12	swen90013-2020-sp	234.com	123.com
	13	swen90013-2020-sp	1	1123
	14	swen90013-2020-sp	1	1123
	15	swen90013-2020-sp	1	1123
	16	swen90013-2020-sp	1	1123
	17	swen90013-2020-sp	1	1123
	18	swen90013-2020-sp	1	1123
	19	swen90013-2020-sp	1	1122
	20	swen90013-2020-sp	test1@test.com	test@test.com
⌕	NULL	NULL	NULL	NULL



## 6.2.2 Confluence API Design



## 6.2.3 Database Design

### Short Description

project\_coordinator\_relation

#### DDL

```
CREATE TABLE `project_coordinator_relation` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `coordinator_id` int(11) NOT NULL,  
  `space_key` varchar(256) NOT NULL,  
  `git_url` varchar(256) NOT NULL,  
  `jira_project` varchar(256) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

coordinator

#### DDL

```
CREATE TABLE `coordinator` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `coordinator_name` varchar(256) NOT NULL,  
  `git_username` varchar(256) NOT NULL,  
  `git_password` varchar(256) NOT NULL,  
  `atl_username` varchar(256) NOT NULL,  
  `atl_password` varchar(256) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

user\_list

#### DDL

```
CREATE TABLE `user_list` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `user_id` varchar(256) NOT NULL,  
  `user_name` varchar(256) NOT NULL,  
  `email` varchar(256) NOT NULL,  
  `picture` varchar(256) NOT NULL,  
  `space_key` varchar(256) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

page\_history

#### DDL

```
CREATE TABLE `page_history` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `page_count` int(11) NOT NULL,  
  `date` int(11) NOT NULL,  
  `space_key` varchar(256) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

### Get Git Commit Count by Time

## DDL

```
-- -----  
-- Table structure for git_commit_counts  
-- -----  
  
DROP TABLE IF EXISTS `git_commit_counts`;  
CREATE TABLE `git_commit_counts` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `space_key` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `commit_counts` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `query_date` int(11) NOT NULL,  
  PRIMARY KEY (`id`) USING BTREE  
) ENGINE = InnoDB AUTO_INCREMENT = 1 CHARACTER SET = gbk COLLATE = gbk_chinese_ci ROW_FORMAT = Dynamic;  
  
SET FOREIGN_KEY_CHECKS = 1;
```

## Get Individual Contribution on Git Commits

### DDL

```
-- -----  
-- Table structure for student_commit_counts  
-- -----  
  
DROP TABLE IF EXISTS `student_commit_counts`;  
CREATE TABLE `student_commit_counts` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `student_name` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `relation_id` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NULL DEFAULT NULL,  
  `commit_counts` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `space_key` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NULL DEFAULT NULL,  
  PRIMARY KEY (`id`) USING BTREE  
) ENGINE = InnoDB AUTO_INCREMENT = 1 CHARACTER SET = gbk COLLATE = gbk_chinese_ci ROW_FORMAT = Dynamic;  
  
SET FOREIGN_KEY_CHECKS = 1;
```

## Set Github and Jira Url

### url\_config

```
CREATE TABLE IF NOT EXISTS `sp90013`.`url_config` (  
  
  `id` INT NOT NULL AUTO_INCREMENT,  
  
  `space_key` VARCHAR(256) NOT NULL,  
  
  `jira_url` VARCHAR(256) NOT NULL,  
  
  `git_url` VARCHAR(256) NOT NULL,  
  
  PRIMARY KEY (`id`))  
  
ENGINE = InnoDB  
  
AUTO_INCREMENT = 20  
  
DEFAULT CHARACTER SET = utf8mb4  
  
COLLATE = utf8mb4_0900_ai_ci
```

## Get Jira TO\_DO/IN\_PROGRESS/DONE Count by Time

### jiraCountByTime

```
CREATE TABLE IF NOT EXISTS `sp90013`.`jiracountbytime` (  

```

```

`id` INT NOT NULL AUTO_INCREMENT,
`count_time` VARCHAR(256) NOT NULL,
`todo` INT NOT NULL,
`in_progress` INT NOT NULL,
`done` INT NOT NULL,
`space_key` VARCHAR(256) NOT NULL,
PRIMARY KEY (`id`))
ENGINE = InnoDB
AUTO_INCREMENT = 25
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci

```

## Get Individual Contribution on Jira DONE Count Tickets

### individualContributions

```

CREATE TABLE IF NOT EXISTS `sp90013`.`individualcontributions` (
  `id` INT NOT NULL AUTO_INCREMENT,
  `student` VARCHAR(256) NOT NULL,
  `done_count` INT NOT NULL,
  PRIMARY KEY (`id`))
ENGINE = InnoDB
AUTO_INCREMENT = 50
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci

```

### Short Description

#### project\_coordinator\_relation

##### DDL

```

CREATE TABLE `project_coordinator_relation` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `coordinator_id` int(11) NOT NULL,
  `space_key` varchar(256) NOT NULL,
  `git_url` varchar(256) NOT NULL,
  `jira_project` varchar(256) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

```

#### coordinator

##### DDL

```

CREATE TABLE `coordinator` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `coordinator_name` varchar(256) NOT NULL,
  `git_username` varchar(256) NOT NULL,
  `git_password` varchar(256) NOT NULL,
  `atl_username` varchar(256) NOT NULL,
  `atl_password` varchar(256) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

```

## user\_list

### DDL

```
CREATE TABLE `user_list` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `user_id` varchar(256) NOT NULL,  
  `user_name` varchar(256) NOT NULL,  
  `email` varchar(256) NOT NULL,  
  `picture` varchar(256) NOT NULL,  
  `space_key` varchar(256) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

## page\_history

### DDL

```
CREATE TABLE `page_history` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `page_count` int(11) NOT NULL,  
  `date` int(11) NOT NULL,  
  `space_key` varchar(256) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

## Get Git Commit Count by Time

### DDL

```
-- -----  
-- Table structure for git_commit_counts  
-- -----  
  
DROP TABLE IF EXISTS `git_commit_counts`;  
CREATE TABLE `git_commit_counts` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `space_key` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `commit_counts` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `query_date` int(11) NOT NULL,  
  PRIMARY KEY (`id`) USING BTREE  
) ENGINE = InnoDB AUTO_INCREMENT = 1 CHARACTER SET = gbk COLLATE = gbk_chinese_ci ROW_FORMAT = Dynamic;  
  
SET FOREIGN_KEY_CHECKS = 1;
```

## Get Individual Contribution on Git Commits

### DDL

```
-- -----  
-- Table structure for student_commit_counts  
-- -----  
  
DROP TABLE IF EXISTS `student_commit_counts`;  
CREATE TABLE `student_commit_counts` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `student_name` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `relation_id` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NULL DEFAULT NULL,  
  `commit_counts` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NOT NULL,  
  `space_key` varchar(256) CHARACTER SET gbk COLLATE gbk_chinese_ci NULL DEFAULT NULL,  
  PRIMARY KEY (`id`) USING BTREE  
) ENGINE = InnoDB AUTO_INCREMENT = 1 CHARACTER SET = gbk COLLATE = gbk_chinese_ci ROW_FORMAT = Dynamic;
```

```
SET FOREIGN_KEY_CHECKS = 1;
```

## Set Github and Jira Url

### url\_config

```
CREATE TABLE IF NOT EXISTS `sp90013`.`url_config` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `space_key` VARCHAR(256) NOT NULL,  
  `jira_url` VARCHAR(256) NOT NULL,  
  `git_url` VARCHAR(256) NOT NULL,  
  PRIMARY KEY (`id`))  
  
ENGINE = InnoDB  
  
AUTO_INCREMENT = 20  
  
DEFAULT CHARACTER SET = utf8mb4  
  
COLLATE = utf8mb4_0900_ai_ci
```

## Get Jira TO\_DO/IN\_PROGRESS/DONE Count by Time

### jiraCountByTime

```
CREATE TABLE IF NOT EXISTS `sp90013`.`jiracountbytime` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `count_time` VARCHAR(256) NOT NULL,  
  `todo` INT NOT NULL,  
  `in_progress` INT NOT NULL,  
  `done` INT NOT NULL,  
  `space_key` VARCHAR(256) NOT NULL,  
  PRIMARY KEY (`id`))  
  
ENGINE = InnoDB  
  
AUTO_INCREMENT = 25  
  
DEFAULT CHARACTER SET = utf8mb4  
  
COLLATE = utf8mb4_0900_ai_ci
```

## Get Individual Contribution on Jira DONE Count Tickets

### individualContributions

```
CREATE TABLE IF NOT EXISTS `sp90013`.`individualcontributions` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `student` VARCHAR(256) NOT NULL,  
  `done_count` INT NOT NULL,  
  PRIMARY KEY (`id`))  
ENGINE = InnoDB  
AUTO_INCREMENT = 50  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci
```

# 6.2.4 Data Sample

Data sample in JSON format



## Data Sample Screenshot

Confluence

### Get Spaces by Keyword

GET

http://127.0.0.1:8000/api/v1/confluence/spaces/:key\_word

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Path Variables

KEY	VALUE	DESCRIPTION	...	Bulk Edit
key_word	comp	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 17.01 s

Size: 294 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

"code": 0,

"message": "success",

"data": [

"COMP900822021SM1SP",

"COMP90082"

]

### Get User List



GET

http://127.0.0.1:3000/api/v1/team/:space\_key

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Path Variables

KEY	VALUE	DESCRIPTION	...	Bulk Edit
space_key	CON	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 74 ms

Size: 2.71 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "name": "Boyang Sun",
7       "id": "boyangs",
8       "email": "boyangs@student.unimelb.edu.au",
9       "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
10    },
11    {
12      "name": "Ruofan Zhang",
13      "id": "zuofzhang",
14      "email": "zuofzhang@student.unimelb.edu.au",
15      "picture": "https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg"
16    },
17    {
18      "name": "Chongjing ZHANG",
```

id	user_id	user_name	email	picture	space_key
3226	boyangs	Boyang Sun	boyangs@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3227	chongjingz	Chongjing ZHANG	chongjingz@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3228	fengrzhang	Fengrui Zhang	fengrzhang@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3229	haoyuq	Haoyu Qin	haoyuq@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3230	jingdanc1	Jingdan Cui	jingdanc1@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3231	jingyul5	Jingyu Li	jingyul5@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3232	jinzhes	Jinze Shan	jinzhes@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3233	ruofzhang	Ruofan Zhang	ruofzhang@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3234	saiz	Sai Zhang	saiz@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3235	salyahya	Sarah Sultan A AL YAHYA	salyahya@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3236	xiefx	Fu Xie	xiefx@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3237	yezy2	Zixin Ye	yezy2@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3238	yuhxie	Yuhang Xie	yuhxie@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2
3239	zishengc	ZISHENG CHENG	zishengc@student.unimelb.edu.au	https://confluence.cis.unimelb.edu.au:8443/images/icons/profilepics/default.svg	VIS2

## Get Page Count by Time

GET Get Page Count b...

Get Page Count b...+...

No Environment

confluence-wp / Get Page Count by Time

Save...

Send

GET

http://127.0.0.1:8000/apl/v1/confluence/spaces/:space\_key/page\_count

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	CON	Description	

Body

Cookies

Headers (7)

Test Results

Status: 200 OK Time: 19 ms Size: 845 B Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "time": 1618416000,
7       "page_count": 1
8     },
9     {
10      "time": 1618592400,
11      "page_count": 1
12    },
13    {
14      "time": 1618588000,
15      "page_count": 1
16    },
17    {
18      "time": 1618675200,
19      "page_count": 1
20    }
21  ]
22 }
```

id	page_count	date	space_key
1167	1	1615737600	COMP900822021SM1SP
1168	1	1615824000	COMP900822021SM1SP
1169	1	1615910400	COMP900822021SM1SP
1170	3	1615996800	COMP900822021SM1SP
1171	5	1616083200	COMP900822021SM1SP
1172	5	1616169600	COMP900822021SM1SP
1173	5	1616256000	COMP900822021SM1SP
1174	5	1616342400	COMP900822021SM1SP
1175	6	1616428800	COMP900822021SM1SP
1176	6	1616515200	COMP900822021SM1SP
1177	6	1616601600	COMP900822021SM1SP
1178	23	1616688000	COMP900822021SM1SP
1179	24	1616774400	COMP900822021SM1SP
1180	40	1616860800	COMP900822021SM1SP
1181	55	1616947200	COMP900822021SM1SP
1182	60	1617033600	COMP900822021SM1SP
1183	60	1617120000	COMP900822021SM1SP
1184	63	1617206400	COMP900822021SM1SP
1185	63	1617292800	COMP900822021SM1SP
1186	63	1617379200	COMP900822021SM1SP
1187	63	1617465600	COMP900822021SM1SP
1188	63	1617552000	COMP900822021SM1SP
1189	63	1617638400	COMP900822021SM1SP

Get Meeting Minutes

Overview GET http://127.0.0.1:8000/ No Environment

http://127.0.0.1:8000/api/v1/confluence/space\_key/meeting\_minutes

GET http://127.0.0.1:8000/api/v1/confluence/space\_key/meeting\_minutes Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE		Bulk Edit
Key	Value		

Path Variables

KEY	VALUE	DESCRIPTION	Bulk Edit
space_key	COMP900822021SM1SP	Description	

Body Cookies Headers (7) Test Results Status: 200 OK Time: 41 ms Size: 2.88 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "title": "Meeting with client #1",
7       "link": "https://confluence.cis.unimelb.edu.au:8443/pages/viewpage.action?pageId=7479344"
8     },
9     {
10      "title": "Meeting Notes For 23rd March",
11      "link": "https://confluence.cis.unimelb.edu.au:8443/display/COMP900822021SM1SP/MeetingNotesFor23rdMarch"
12    },
13    {
14      "title": "10 Meetings",
15      "link": "https://confluence.cis.unimelb.edu.au:8443/display/COMP900822021SM1SP/10Meetings"
16    },
17    {
18      "title": "Meeting Notes For 28th March",
19      "link": "https://confluence.cis.unimelb.edu.au:8443/display/COMP900822021SM1SP/MeetingNotesFor28thMarch"
20    },
21    {
22      "title": "Front-end Meeting Notes on 28th March -",
23      "link": "https://confluence.cis.unimelb.edu.au:8443/pages/viewpage.action?pageId=7479344"
24    }
25  ]
26 }
```

meeting_id	meeting_title	meeting_link	space_key
1	Meeting with client #1	https://confluence.cis.unimelb.edu.au:8443/p...	COMP900822021SM1SP
2	Meeting Notes for 23rd March	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
3	10 Meetings	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
4	Meeting Notes for 28th, March	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
5	Front-end Meeting Notes on 28th March -	https://confluence.cis.unimelb.edu.au:8443//p...	COMP900822021SM1SP
6	Stand-up Meeting 18 March 2021	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
7	Stand-up Meeting 25 March 2021	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
8	Meeting Notes for 30th, March	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
9	Meeting with Client #2	https://confluence.cis.unimelb.edu.au:8443//p...	COMP900822021SM1SP
10	Meeting Notes for 1st, April(Workshop Stand-u...	https://confluence.cis.unimelb.edu.au:8443//p...	COMP900822021SM1SP
11	Meeting Notes for 6th, April	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
12	Meeting Notes for 13th April	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
13	Meeting Notes for 15th April	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
14	Stand-up Meeting 15th April 2021	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
15	Front-end Meeting Notes on 19th April	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
16	Back-end Meeting Notes 19th April	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
17	Stand-up Meeting 22nd April 2021	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
18	Front-end Meeting Notes on 26th April	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
19	Stand-up Meeting 29th April 2021	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP
20	Meeting with Client #3	https://confluence.cis.unimelb.edu.au:8443//p...	COMP900822021SM1SP
21	Back-end Meeting Notes 24th April	https://confluence.cis.unimelb.edu.au:8443//di...	COMP900822021SM1SP

## Get Imported Projects

GET http://127.0.0.1:8000/api/v1/confluence/imported\_projects ...

Params Authorization Headers (6) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE
Key	Text Value

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "space_key": "COMP900822021SM1SP",
7       "space_name": "COMP90082-2021-SM1-SP"
8     }
9   ]
10 }
```

## Git

## Get Commit Counts by Date

Git\_Commits Copy / Git\_Commits\_Count

Save

GET

http://127.0.0.1:8000/api/v1/git/commit/space\_key

Send

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION		Bulk Edit
Key	Value	Description		

Path Variables

KEY	VALUE	DESCRIPTION		Bulk Edit
space_key	test	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK Time: 961 ms Size: 2.61 KB Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "commit_count": "197",
7       "date": "1605272400"
8     },
9     {
10      "commit_count": "193",
11      "date": "1605996000"
12     },
13     {
14      "commit_count": "192",
15      "date": "1604840400"
16     },
17     {
18      "commit_count": "191",
19      "date": "1604754000"
20     },
21     {
22      "commit_count": "189",
23      "date": "1604667600"
24     },
25     {
26      "commit_count": "188",
27      "date": "1604581200"
28     }
29   ]
30 }
```

## Get Individual Contribution by Commit Counts

New Collection / New Request

Save

GET

http://127.0.0.1:8000/api/v1/jira/swen90013-2020-sp/contributions

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION		Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK Time: 35.12 s Size: 2.46 KB Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "student": "Shen yutong",
7       "done_count": 0
8     },
9     {
10      "student": "3DV Deployment",
11      "done_count": 0
12     },
13     {
14      "student": "Arman Yazdi Arethna",
15      "done_count": 0
16     },
17     {
18      "student": "admin admin",
19      "done_count": 0
20     },
21     {
22      "student": "Admin Internal",
23      "done_count": 0
24     },
25     {
26      "student": "Samez Adra",
27      "done_count": 0
28     }
29   ]
30 }
```

Jira

# Get Jira TO\_DO/IN\_PROGRESS/DONE Count by Time

New Collection / New Request

GET

http://127.0.0.1:8000/api/v1/jira/swen90013-2020-sp/autoticketcount

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION		Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK Time: 5.75 s Size: 335 B Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1  {
2    "code": 0,
3    "message": "success",
4    "data": {
5      "time": "2021-04-30 12:20:13",
6      "to_do": 50,
7      "in_progress": 4,
8      "done": 117
9    }
10 }
```

	id	count_time	todo	in_progress	done	space_key
	92	2021-04-30 00:53:53	50	4	117	swen90013-2020-sp
	93	2021-04-30 00:54:08	50	4	117	swen90013-2020-sp
	94	2021-04-30 12:20:13	50	4	117	swen90013-2020-sp
	95	2021-04-30 12:20:26	50	4	117	swen90013-2020-sp
	96	2021-04-30 12:20:40	50	4	117	swen90013-2020-sp
	97	2021-04-30 12:20:58	50	4	117	swen90013-2020-sp
	98	2021-04-30 12:21:10	50	4	117	swen90013-2020-sp
	99	2021-04-30 12:21:25	50	4	117	swen90013-2020-sp
	100	2021-04-30 12:21:41	50	4	117	swen90013-2020-sp
	101	2021-04-30 12:21:55	50	4	117	swen90013-2020-sp
	102	2021-04-30 12:22:12	50	4	117	swen90013-2020-sp
	NULL	NULL	NULL	NULL	NULL	NULL

# Set Github and Jira Url

New Collection / New Request

POST

http://127.0.0.1:8000/api/v1/jira/swen90013-2020-sp/config

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

KEY	VALUE	DESCRIPTION		Bulk Edit
<input checked="" type="checkbox"/> glUrl	test@test.com			
<input checked="" type="checkbox"/> jira_url	test1@test.com			
Key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK Time: 60 ms Size: 263 B Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1  {
2    "code": 0,
3    "message": "success",
4    "data": null
5  }
```

Result Grid				
Filter Rows:				
	id	space_key	jira_url	git_url
	10	swen90013-2020-sp	234.com	123.com
	11	swen90013-2020-sp	234.com	123.com
	12	swen90013-2020-sp	234.com	123.com
	13	swen90013-2020-sp	1	1123
	14	swen90013-2020-sp	1	1123
	15	swen90013-2020-sp	1	1123
	16	swen90013-2020-sp	1	1123
	17	swen90013-2020-sp	1	1123
	18	swen90013-2020-sp	1	1123
	19	swen90013-2020-sp	1	1122
	20	swen90013-2020-sp	test1@test.com	test@test.com
	NULL	NULL	NULL	NULL

## Get Individual Contribution on Jira DONE Count Tickets

New Collection / New Request

GET http://127.0.0.1:8000/api/v1/jira/swen90013-2020-sp/contributions

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 3512 s Size: 2.48 KB Save Response

Pretty Raw Preview Visualize JSON

```

1 {
2   "code": 0,
3   "message": "success",
4   "data": [
5     {
6       "student": "Shen yutong",
7       "done_count": 0
8     },
9     {
10      "student": "3DV Deployment",
11      "done_count": 0
12    },
13    {
14      "student": "Arman Yazdi Arethna",
15      "done_count": 0
16    },
17    {
18      "student": "admin admin",
19      "done_count": 0
20    },
21    {
22      "student": "Admin Internal",
23      "done_count": 0
24    },
25    {
26      "student": "Samer Adra",
27      "done_count": 0
28    }
29  ]
30 }

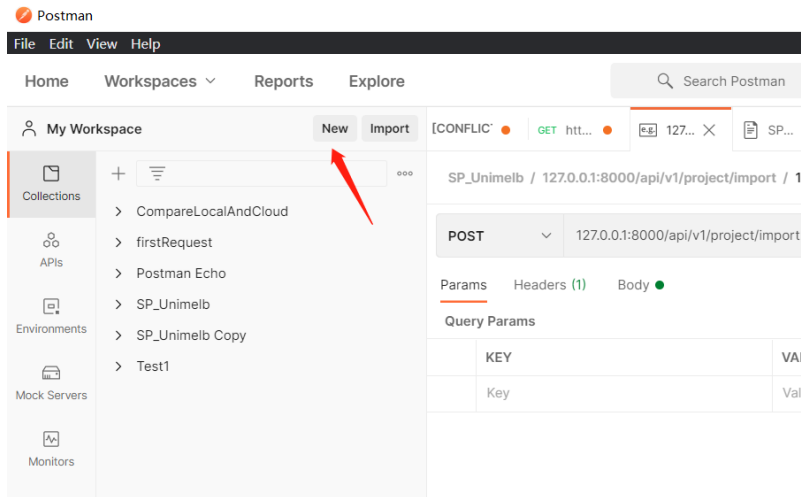
```

Result Grid			
Filter Rows:			
	id	student	done_count
	1	Shen yutong	0
	2	3DV Deployment	0
	3	Arman Yazdi Arethna	0
	4	admin admin	0
	5	Admin Internal	0
	6	Samer Adra	0
	7	Alexandra Fritzen	0
	8	Austen Mcclernon	0
	9	Andrew Irlitti	0
	10	Anuradha Gupta	0
	11	Aparna	0
	12	Andrzej Poniatowski	0

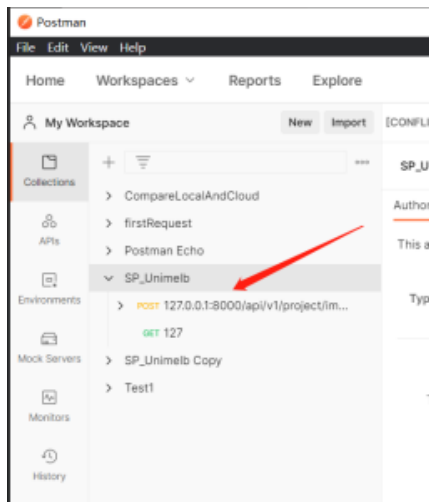
contributions 1

## 6.2.5 Mock API Construction Instructions

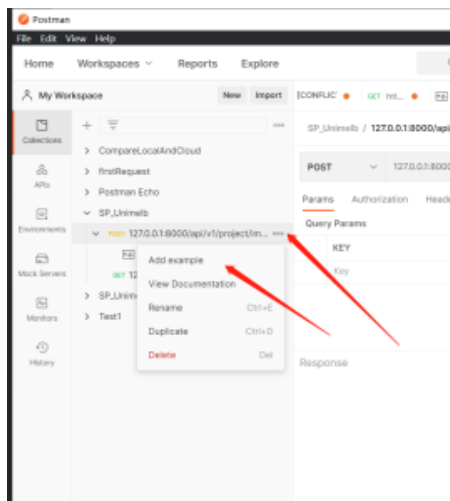
1 Create a collection here using postman



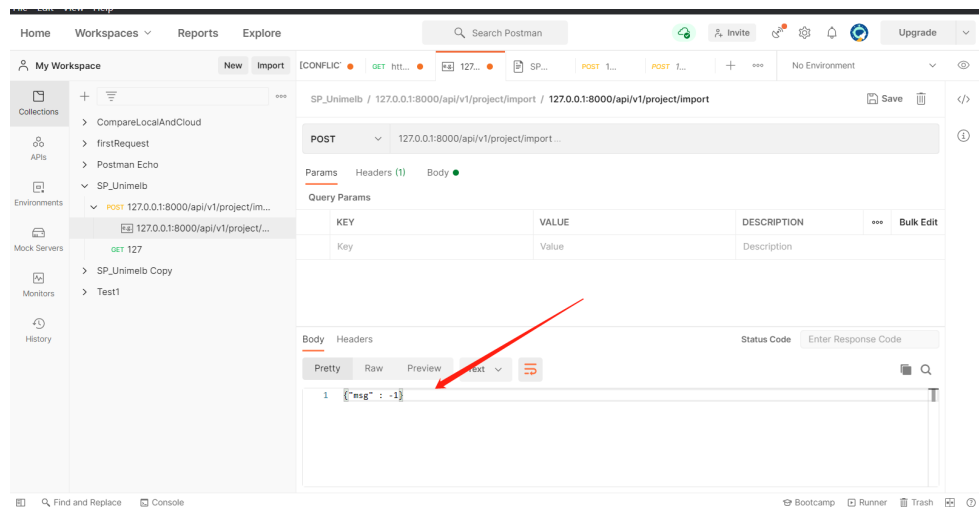
2 Add the API request into it



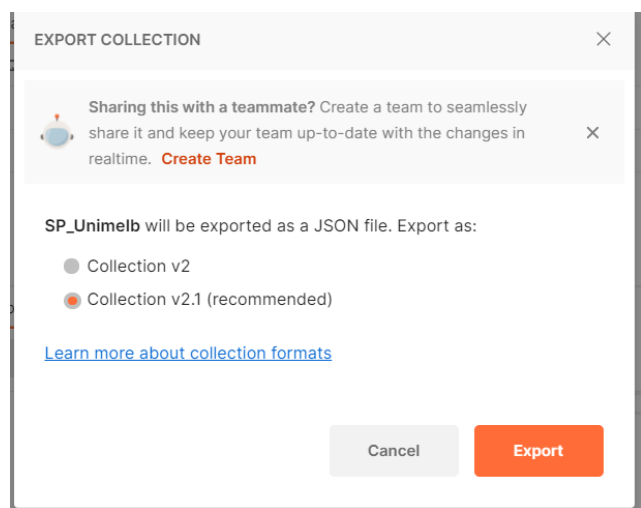
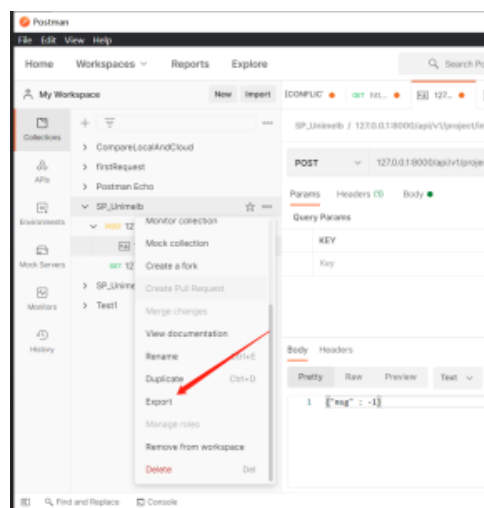
3 Add examples to each API request in collection



#### 4 Edit the example, enter expected output here



#### 5 Export the collection





# 6.2.6 Workload Separation

Based on the front-end data requirement, these APIs should be implemented. Please register your interesting ones and if you finished a specific API, fill in your name in the detailed contribution column.

Module	API Name	Partial Responsible Member	Detailed Contribution
Confluence (3 members)	Get Confluence Space	Jingdan Cui Boyang Sun Pin Wang	Pin Wang
	Get User List		Pin Wang
	Get Page Count by Time		Pin Wang
	Get Meeting Munites		Jingdan Cui
	Get Individual Contribution on Confluence Pages		Boyang Sun
	Import Project in Batch		Jingdan Cui
	Get Imported Projects		Boyang Sun
Git (3 members)	Get Git Commit Count by Time	Zisheng Cheng Jinzhe Shan Chongjing Zhang	Chongjing Zhang
	<del>Get Git Comment Count by Time</del>		Jinzhe Shan
	Get Individual Contribution on Git Commits		Zisheng Cheng
	Get Code Metrics		
Jira (2 members)	Get Jira TO_DO/IN_PROGRESS/DONE Count by Time	Haoyu Qin Fu Xie	Haoyu Qin, Fu Xie
	Get Individual Contribution on Jira DONE Count Tickets		Haoyu Qin
	Set Github and Jira Url		Fu Xie

# 6.3 Sprint 2: API

## Login

POST

/api/:version/sso/login

Request

Item	Type	Necessary	Note
username	string	true	
password	string	true	

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  authentication fail: -2  other failure: -1
message	string	true	error message

## Register

POST

/api/:version/register

Request

Item	Type	Necessary	Note
username	string	true	
password	string	true	
atl_token	string	true	An Atlassian API token generated by the Atlassian user.

Response

Item	Type	Necessary	Note
code	int	true	statue code  success: 0  failure: -1
message	string	true	error message

We decided to use unimelb SSO, so no registration is needed anymore.

## Delete Imported Project

POST

/api/:version/project/delete

Request

Item	Type	Necessary	Note
------	------	-----------	------

space_key	string	true	
-----------	--------	------	--

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message

## Import Project in Batch (Updated from Sprint 1)

**POST**

/api/:version/project/import

Request

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'.

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message

## Get User List (Updated from Sprint 1)

**GET**

/api/:version/team/:space\_key

Parameter

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message
data	UserList	false	

UserList

Item	Type	Necessary	Note
total	int	true	number of users in the returned list
user_list	[]UserInfo	true	list of users who have permissions to the space

UserInfo

Item	Type	Necessary	Note
name	string	true	display name on Confluence
id	string	true	student id
email	string	true	unimelb email
picture	string	true	profile picture path on Confluence

Set Github and Jira Url (Updated from Sprint 1)

POST

/api/:version/git/config

Request

Item	Type	Necessary	Note
space_key	string	true	A confluence space key. For example 'COMP900822021SM1SP'. It is the unique identifier of a team.
jira_url	string	true	
git_url	string	true	
git_username	string	true	
git_password	string	true	

Response

Item	Type	Necessary	Note
code	int	true	statue code success: 0 failure: -1
message	string	true	error message

## 6.3.1 Unified Test

### Get Git Commit Count

- Problem 1: Timestamp is not sorted and the total time period is too long.
  - Solution: Back-end add a sorting logic and time selection logic