A7: High-level architecture. Privileges. Web resources specification

1. Overview

Module	Description
M01: Authentication And User Profile	Web resources associated with user login and logout and the manangement of his/her profile and general search capabilities
M02: User Administration / Static Pages	Web resources for administrator profile, including user management like giving and taking bans to user and bands, giving warns to users and bands, create, edit and delete genres and skills and manage user permissions
M03: User Feed	Web resources for the main page of the user. This module will have resources to create and delete posts and view posts from users or bands that user follows
M04: Bands	Web resources for the band profile page. This module will have resources to create and delete band posts, view and modify band information and capabilities of inviting and removing band members as well as accept or reject band applications
M05: Chat	Web resources for chat functionality, these resources include sending and receiving messages from users and bands
M06: Comments	Web resources for comment of posts
M07: Notifications	Web resources for management of notifications

2. Permissions

Permission	Name	Description

PUB	Public	Priviliges for non-authenticated users
USR	User	Privileges for authenticated users
OWN	Own User	Privileges for logged user on user own resources (profile, posts, messages, etc)
BOW	Band Owner	Privileges for band owners (on the band he/her owns)
BME	Band Member	Privileges for band members (on the band he/her belongs to)
ADM	Administrator	Privileges for administrator users

3. Modules

3.1 Module M01: Authentication And User Profile

This section documents each web resource of each module, indicating the URL, HTTP methods, the possible parameters, interfaces with the user (referring to the A3 artefact) — or JSON responses in the event of APIs.

These are the endpoints available in the Authentication and Individual Profile Module.

```
* R100: Home Page /
* R101: Login Form /login
* R102: Login Action /do_login
* R103: Logout Action /do_logout
* R104: Register Form /register
* R105: Register Action /do_register
* R106: View Profile /users/{id}
* R107: Edit Profile Form /users/{id}/edit
* R108: Edit Profile Action /users/do_edit
* R109: Password Request Reset Form /request_password_reset
* R110: Password Request Reset Action /do_request_password_reset
* R111: Password Reset Form /users/{id}/reset_password
* R112: Password Reset Action /users/{id}/do_reset_password
```

R100

R101	Home Page

URL	/
Description	Home page
Method	GET
UI	UI01
PERMISSIONS	PUB

R101

R101	Login Form
URL	/login
Description	Page with login form
Method	GET
UI	UI01
SUBMIT	R102
PERMISSIONS	PUB

R102

R102	Login Action
URL	/do_login
Description	Web resource that logs the user, redirecting to user profile page if successful or login form if not
Method	POST
Request Body	+email:string Username
	+password:string Password
Redirects	R106 Success

	R100 Error
Permissions	PUB

R103

R103	Logout Action
URL	/do_logout
Description	Web resource that logs out the user
Method	POST
Redirects	R100 Success
Permissions	USR, ADM

R104

R104	Register Form
URL	/register
Description	Page with a register form to create a new user account
Method	GET
UI	UI04
SUBMIT	R105
PERMISSIONS	PUB

R105

R105	Register Action
URL	/do_register
Description	Web resource that inserts the user into the system, redirecting to user profile page if successful or register form if not

Method	POST
Request Body	+email:string Username
	+password:string Password
	+confirm_password:string Password confirmation
	+picture:file Profile picture
Redirects	R100 Success
	R104 Error
Permissions	PUB

R106

R106	View Profile
URL	/users/{id}
Description	Shows the user individual profile page.
Method	GET
Parameters	+id: integer user primary key
UI	UI06
AJAX Calls	R113, R417
PERMISSIONS	USR

R107

R107	Edit Profile Form
URL	/users/{id}/edit
Description	Page with a form to edit profile info.
Method	GET

Parameters	+id: integer user primary key
UI	Not yet implemented
SUBMIT	R108
PERMISSIONS	OWN

R108

R108	Edit Profile Action
URL	/users/{id}/do_edit
Description	Web resource that changes user profile info based on the input received. Redirects to the user profile on success and edit profile page on failure.
Method	POST
Parameteres	+id: integer user primary key
Request Body	?name:string New name
	?picture:file New profile picture file
Redirects	R106 Success
	R107 Error
Permissions	OWN

R109

R109	Password Request Reset Form
URL	/request_password_reset
Description	Page with a form to request an e-mail to reset the password.
Method	GET

UI	Not implemented yet
SUBMIT	R110
PERMISSIONS	OWN

R110

R110	Password Request Reset Action
URL	/do_request_password_reset
Description	Web resource that sends a reset password link to the specified email.
Method	POST
Request Body	+email:string User email
	+username:string User name
Redirects	R100 Success
	R109 Error
Permissions	PUB

R111

R111	Password Reset Form
URL	/users/{id}/reset_password
Description	Web resource to specify new password
Method	GET
Request Body	+id:integer User id
UI	Not implemented yet
SUBMIT	R112

Permissions	USR

R112

R110	Password Reset Action
URL	/users/{id}/do_reset_password
Description	Web resource that changes password of the user
Method	POST
Request Body	+password:string new password
	+confirm:string confirm new password
Redirects	R100 Success
	R111 Error
Permissions	PUB

R113

R302	Get Posts API
URL	/api/users/{id}/user_posts
Description	Web resource that searches the system for user posts and returns the results
Method	GET
Parameters	?offset: integer Offset to retrieve list of posts
	+id: integer User id
Response Body	JSON301
Permissions	OWN

3.2 Module M02: User Administration / Static Pages

These are the endpoints available in the Authentication and Individual Profile Module.

```
 * 201: Get users /users
 * 202: Change Privileges user API /admin_api/users/{id}
 * 203: Get reported users /reported_users
 * 204: Ban User API /admin_api/users/{id}/bans
 * 205: Unban User API /admin_api/users/{id}/bans/{banId}
 * 206: Get reported bands /reported_bands
 * 207: Ban Band API /admin_api/bands/{id}/bans
 * 208: Unban Band API /admin_api/bands/{id}/bans/{banId}
 * 209: Get genres /genres
 * 210: Add Genre API /admin_api/genres
 * 211: Edit Genre API /admin_api/genres/{id}
 * 212: Delete Genre API /admin_api/genres{id}
 * 213: Get skills /skills
 * 214: Add Skill API /admin_api/skills
 * 215: Edit Skill API /admin_api/skills/{id}
 * 216: Delete Skill API /admin_api/skills{id}
 * 217: Get User Reports /users/{id}/reports
 * 218: Warn User API: /admin_api/users/{userId}/reports/{reportId}/warns
 * 219: Get Band Reports: /bands/{id}/reports
 * 220: Warn Band API: /admin_api/bands/{bandId}/reports/{reportId}/warns
 * 221: Mark Report as seen API: /admin_api/reports/{id}
 * 222: About page /about
 * 223: FAQ page /faq
 * 224: Page not found /404
```

R201 Get Users

R201	Get users
URL	/users
Description	Get all users
Method	GET
Parameters	?offset: integer - offset to retrieve list of users
UI	UI08
AJAX Calls	R202
Permissions	ADM

R202 Change Privileges API

R202	Change Privileges API
URL	/admin_api/users/{id}
Description	Change user permissions, either promoting him to admin or relegating him to basic user
Method	PUT
Parameters	?id: integer - user id
	?admin: boolean - if it is to promote or relegate user
Response body	For http status code different from 200, body has error message
Permissions	ADM

R203 Get reported users

R203	Get reported users
URL	/reported_users
Description	Get a list of reported users
Method	GET
Parameters	?offset: integer - offset to retrieve list of reported users
UI	UI09
AJAX Calls	R204,R205
Permissions	ADM

R204 Ban User API

R204	Ban User API
URL	/admin_api/users/{id}/bans
Description	Ban a user

Method	POST
Parameters	?id: integer - user id
	?loggedUserId: integer - current logged user to save who banned
Response body	For http status code 200, body has id of ban, else has error message
Permissions	ADM

R205 Unban User API

R205	Unban User API
URL	/admin_api/users/{id}/bans/{banId}
Description	Unban a user
Method	PUT
Parameters	?id: integer - user id
	?loggedUserId: integer - current logged user to save who unbanned
	?banId: integer - ban id to put cease date
Response body	For http status code different from 200, body has error message
Permissions	ADM

R206 Get reported bands

R206	Get reported bands
URL	/reported_bands
Description	Get a list of reported bands
Method	GET
Parameters	

	?offset: integer - offset to retrieve list of reported bands
UI	UI09
AJAX Calls	R206,R027
Permissions	ADM

R207 Ban Band API

R207	Ban Band API
URL	/admin_api/bands/{id}/bans
Description	Ban a band
Method	POST
Parameters	?id: integer - band id
	?loggedUserId: integer - current logged user to save who banned
Response body	For http status code 200, body has id of ban, else has error message
Permissions	ADM

R208 Unban User API

R208	Unban Band API
URL	/admin_api/users/{id}/bans/{banId}
Description	Ban or unban a user
Method	PUT
Parameters	?id: integer - band id
	?loggedUserId: integer - current logged user to save who unbanned
	?banId: integer - ban id to put cease date

Response body	For http status code different from 200, body has error message
Permissions	ADM

R209 Get genres

R209	Get genres
URL	/genres
Description	Get all genres
Method	GET
UI	UI10
AJAX Calls	R210, R211, R212
Permissions	ADM

R210 Add Genre API

R210	Add Genre API
URL	/admin_api/genres
Description	Add a new genre
Method	POST
Parameters	?name: string - genre name
	?loggedUserId: integer - current logegd user to save who created
Response body	For http status code 200, body has id of genre, else has error message
Permissions	ADM

R211 Edit Genre API

R211	Edit Genre API
URL	/admin_api/genres/{id}
Description	Edit a genre
Method	PUT
Parameters	?id: integer - genre id to edit
	?loggedUserId: integer - current logegd user to save who modified
Response body	For http status code different from 200, body has error message
Permissions	ADM

R212 Delete Genre API

R212	Delete Genre API
URL	/admin_api/genres/{id}
Description	Delete a genre (actually inactivate it, the field active of json response will come false if genre is deleted)
Method	DELETE
Parameters	?id: integer - genre id to delete
	?loggedUserId: integer - current logegd user to save who modified
Response body	For http status code different from 200, body has error message
Permissions	ADM

R213 Get skills

R213	Get skills
URL	/skills
Description	Get all skills

Method	GET
UI	Not yet Implemented
AJAX Calls	R214, R215, R216
Permissions	ADM

R214 Add Skill API

R214	Add Skill API
URL	/admin_api/skills
Description	Add a new skill
Method	POST
Parameters	?name: string - skill name
	?loggedUserId: integer - current logegd user to save who created
Response body	For http status code 200, body has id of genre, else has error message
Permissions	ADM

R215 Edit Skill API

R215	Edit Skill API
URL	/admin_api/skills/{id}
Description	Edit a skill
Method	PUT
Parameters	?id: integer - skill id to edit
	?loggedUserId: integer - current logegd user to save who modified
Response body	For http status code different from 200, body has error message
Permissions	ADM

R216 Delete Skill API

R216	Delete Skill API
URL	/admin_api/skills/{id}
Description	Delete a skill (actually inactivate it, the field active of json response will come false if skill is deleted)
Method	DELETE
Parameters	?id: integer - skill id to delete
	?loggedUserId: integer - current logegd user to save who modified
Response body	For http status code different from 200, body has error message
Permissions	ADM

R217 Get User Reports

R217	Get User Reports
URL	/users/{id}/reports
Description	Get all reports from a user
Method	GET
Parameters	?id: integer - user id
UI	Not yet implemented
AJAX Calls	R218, R221
Permissions	ADM

R218 Warn User API

R218	Warn User API
URL	/admin_api/users/{userId}/reports/{reportId}/warns

Description	Gives a warning to the user
Method	POST
Parameters	?userId: integer - user id
	?reportId: integer - report id who originates the warn
	?loggedUserId: integer - current logegd user to save as admin who gave the warn
	?text: string - the text of the warning
Response body	For http status code different from 200, body has error message
Permissions	ADM

R219 Get Band Reports

R219	Get Band Reports
URL	/bands/{id}/reports
Description	Get all reports from a band
Method	GET
Parameters	?id: integer - band id
UI	Not yet implemented
AJAX Calls	R220, R221
Permissions	ADM

R220 Warn Band API

R220	Warn Band API
URL	/admin_api/bands/{bandId}/reports/{reportId}/warns
Description	Gives a warning to the band

Method	POST
Parameters	?bandId: integer - band id
	?reportId: integer - report id who originates the warn
	?loggedUserId: integer - current logegd user to save as admin who gave the warn
	?text: string - the text of the warning
Response body	For http status code different from 200, body has error message
Permissions	ADM

R221 Mark Report as Seen API

R221	Mark Report as Seen API
URL	/admin_api/reports/{id}
Description	Mark the report as seen
Method	PUT
Parameters	?id: integer - report id
Response body	For http status code different from 200, body has error message
Permissions	ADM

R222 About Page

R222	About Page
URL	/about
Description	Get about page
Method	GET
UI	UI02

Permissions	PUB

R223 FAQ Page

R223	FAQ Page
URL	/faq
Description	Get faq page
Method	GET
UI	UI03
Permissions	PUB

R224 Page not found

R224	Page not found
URL	/404
Description	Page not found
Method	GET
UI	Not yet implemented
Permissions	PUB

3.3 M03: User Feed

These are the endpoints available in the User Feed Module.

```
* R301: Feed /users/{id}/posts
* R302: Get Posts API /api/users/{id}/posts
* R303: Delete Post API /api/users/{userId}/posts/{postId}
* R304: Create Post /users/{userId}/posts
* R305: Create Post API /api/users/{userId}/posts
* R306: Edit Post /users/{userId}/posts
* R307: Edit Post API /api/users/{userId}/posts{postId}
* R308: Get Comments API /api/posts/{postId}/comments
```

```
* R309: Delete Comment API /api/users/{userId}/posts/{postId}/comments{commentId}
* R310: Create Comment /users/{userId}/posts
* R311: Create Comment API /api/users/{userId}/posts/{postId}/comments
* R312: Edit Comment /users/{userId}/posts
* R313: Edit Comment API /api/users/{userId}/posts/{postId}/comments{commentId}
```

R301

R301	Feed
URL	/users/{id}/posts
Description	Web resource that gets the posts from users and bands the user follows and his own
Method	GET
Parameters	+id: integer User id
UI	UI05
AJAX Calls	R302, R303, R601, R602
Permissions	OWN

R302

R302	Get Posts API
URL	/api/users/{id}/posts
Description	Web resource that searches the system for posts and returns the results
Method	GET
Parameters	?offset: integer Offset to retrieve list of posts
	+id: integer User id
Response Body	JSON301

Permissions	OWN

R303

R303	Delete Post API
URL	/api/users/{userId}/posts/{postId}
Description	Web resource that checks if the post was well deleted
Method	DELETE
Parameters	+postId:integer Post id
	+userId: integer User id
Response Body	For http status code different from 200, body has error message
Permissions	OWN

R304

R304	Create Post
URL	/users/{userId}/posts
Description	Web resource with a form to create a new post
Method	GET
Parameters	+userId: integer User id
UI	UI05
AJAX Calls	R305
Permissions	USR

R305

R305	Create Post API

URL	/api/users/{userId}/posts
Description	Web resource to create the post
Method	POST
Parameters	+text:string Post text
	+userId: integer User id
Response Body	For http status code 200, body has id of post, else has error message
Permissions	USR

R306

R306	Edit Post
URL	/users/{userId}/posts
Description	Web resource with a form to edit a post
Method	GET
Parameters	+userId: integer User id
UI	UI05
AJAX Calls	R307
Permissions	OWN

R307

R307	Edit Post API
URL	/api/users/{userId}/posts{postId}
Description	Web resource to edit a post
Method	PUT
Parameters	?text:string Post text

	+userId: integer User id
	+postId: integer Post id
Response Body	For http status code 200, body has id of post, else has error message
Permissions	OWN

M04: Bands

These are the endpoints available in the Band Module.

```
* R401: Band Page                /bands/{bandID}
* R402: Get Band Posts API       /api/bands/{id}/posts
* R403: Delete Band Post API     /bands/{bandID}/posts/{postID}
* R404: Create Band Post         /bands/{bandId}
* R405: Create Band Post API     /api/bands/{bandId}/posts
* R406: Edit Band Post           /bands/{bandId}
* R407: Edit Band Post API       /api/bands/{bandId}/posts/{postID}
* R408: Edit Band Profile Form   /bands/{bandID}
* R409: Edit Band Profile Action /bands/{bandID}/do_edit_band
* R410: Invite Band Member       /bands/{bandID}
* R411: Invite Band Member API   /api/bands/{bandId}/invitations
* R412: Remove Band Member API   /api/bands/{bandId}/members{memberId}
* R413: Create New Band Form     /
* R414: Create New Band Action   /bands/do_create_band
* R415: Apply to band Form       /bands/{bandId}/apply
* R416: Apply to band action     /bands/{bandId}/do_apply
* R417: Manage band application API
          /api/bands/{bandId}/applications/{applicationId}
* R418: Manage band invitation  API
          /api/bands/{bandId}/invitations/{invitationId}
```

R401

R401	Band Page
URL	/bands/{bandID}
Description	Band profile page
Method	GET
Parameters	+bandId: integer Band id

UI	UI11
AJAX Calls	R402,R406 R601, R602, R417
PERMISSIONS	USR

R402

R402	Get Band Posts API
URL	/api/bands/{id}/posts
Description	Web resource that searches the system for band posts and returns the results
Method	GET
Parameters	?offset: integer Offset to retrieve list of posts
	+id: integer Band id
Response Body	JSON301
Permissions	USR

R403

R403	Delete Band Post API
URL	/bands/{bandID}/posts/{postID}
Description	Web resource that deletes a band post from the system
Method	DELETE
Parameters	+postId:integer Post Id
UI	U11
Response Body	For http status code different from 200, body has error message
Permissions	BME,OWN

R404

R404	Create Band Post
URL	/bands/{bandId}
Description	Web resource with a form to create a new post on behalf of the band
Method	GET
Parameters	+bandId: integer Band id
UI	UI11
AJAX Calls	R405
Permissions	BME

R405

R405	Create Band Post API
URL	/api/bands/{bandId}/posts
Description	Web resource to create the post
Method	POST
Parameters	+text:string Post text
	+userId: integer User id
	+bandID: integer band id
Response Body	For http status code 200, body has id of post, else has error message
Permissions	BME

R406

R406	Edit Band Post

URL	/bands/{bandId}
Description	Web resource with a form to edit a post on behalf of the band
Method	GET
Parameters	+bandId: integer Band id
UI	UI11
AJAX Calls	R407
Permissions	BME,OWN

R407

R407	Edit Band Post API
URL	/api/bands/{bandId}/posts/{postID}
Description	Web resource to delete apost
Method	PUT
Parameters	+text:string Post text
	+postId:integer Post Id
Response Body	For http status code 200, body has id of post, else has error message
Permissions	BME,OWN

R408

R408	Edit Band Profile Form
URL	/bands/{bandID}
Description	Page with a form to edit band profile info.
Method	GET
Parameters	+bandID: integer band id

UI	UI11
SUBMIT	R409
PERMISSIONS	BOW

R409

R409	Edit Band Profile Action
URL	/bands/{bandID}/do_edit_band
Description	Web resource that changes band profile info based on the input received.
Method	POST
Parameteres	+bandID: integer band id
Request Body	?name:string New name
	?picture:file Band profile picture
Redirects	R404 Success
	R405 Error
Permissions	BOW

R410

R410	Invite Band Member
URL	/bands/{bandID}
Description	Web resource with a form to search for a user to add to band
Method	GET
Request Body	+bandId:integer Band ID
AJAX Calls	R411

Permissions	BOW

R411

R411	Invite Band Member API
URL	/api/bands/{bandId}/invitations
Description	Web resource to add a member to the band
Method	POST
Parameters	+text:string invitation text
	+userId:integer id of invited user
	+bandID: integer band id
Response Body	For http status code 200, body has id of user added, else has error message
Permissions	BOW

R412

R412	Remove Band Member API
URL	/api/bands/{bandId}/members{memberId}
Description	Web resource to add a member to the band
Method	DELETE
Parameters	+text:string removal text
	+memberId:integer id of removed user
	+bandID: integer band id
Response Body	For http status code different from 200, body has error message
Permissions	BOW

R413

R413	Create New Band Form
URL	/
Description	Page with a form to create new band.
Method	GET
UI	Not yet implemented
SUBMIT	R414
PERMISSIONS	USR

R414

R414	Create New Band Action
URL	/bands/do_create_band
Description	Web resource that changes band profile info based on the input received.
Method	POST
Request Body	?name:string New name
	?picture:file Band profile picture
Redirects	R401 Success
	R100 Error
Permissions	USR

R415

R415	Apply to band Form
URL	/bands/{bandId}/apply

Description	Page with a form to apply to a band.
Method	GET
Parameters	bandId: integer band id
UI	Not yet implemented
SUBMIT	R416
PERMISSIONS	USR

R416

R416	Apply to band action
URL	/bands/{bandId}/do_apply
Description	Web resource that creates a band application
Method	POST
Parameters	bandId: integer band id
Request Body	?id:integer User id
	?text: string Brief resume
Redirects	R401 Success
	R401 Error
Permissions	USR

R417

R417	Manage band application API
URL	/api/bands/{bandId}/applications/{applicationId}
Description	Web resource to accept, reject or cancel band application
Method	PUT

Parameters	+text:string reply text
	+applicationId:integer applicationId
	+bandID: integer band id
	+new_state: {accepted, rejected, cancelled} new state of application
Response Body	For http status code different from 200, body has error message
Permissions	BOW (accept or reject), USR (cancel)

R418

R418	Manage band invitation API
URL	/api/bands/{bandId}/invitations/{invitationId}
Description	Web resource to accept, reject or cancel band invitation
Method	PUT
Parameters	+text:string reply text
	+invitationId:integer invitation id
	+bandID: integer band id
	+new_state: {accepted, rejected, cancelled} new state of application
Response Body	For http status code different from 200, body has error message
Permissions	BOW (cancel), USR (accept or reject)

M05: Chat

These are the endpoints available in the Chat Module.

```
* R501: Chat /users/{userId}/chat
```

```
* R502: Get Friend Messages API /api/users/{userId}/friends/{friendId}/messages
* R503: Send Friend Message /users/{userId}/chat
* R504: Send Friend Message API /api/users/{userId}/friends/{friendId}/messages
* R505: Get Band Messages API /users/{userId}/chat
* R506: Send Band Message /api/users/{userId}/bands/{bandId}/messages
* R507: Send Band Message API /api/users/{userId}/bands/{bandId}/messages
```

R501

R501	Chat
URL	/users/{userId}/chat
Description	Web resource of the chat
Method	GET
Parameters	+userId:integer userId
UI	UI05
AJAX Calls	R502, R505
Permissions	USR

R502

R502	Get Friend Messages API
URL	/api/users/{userId}/friends/{friendId}/messages
Description	Web resource that searches the system for messages and returns the results
Method	GET
Parameters	+userId:integer user Id
	+friendId:integer friend Id
	?offset: integer Offset to retrieve list of messages
Response	

Body	JSON501
Permissions	USR

R503

R503	Send Friend Message
URL	/users/{userId}/chat
Description	Web resource with a form to create a message
Method	GET
Parameters	+userId:integer userId
UI	UI05
AJAX Calls	R504
Permissions	USR

R504

R504	Send Friend Messages API
URL	/api/users/{userId}/friends/{friendId}/messages
Description	Web resource that searches the system for messages and returns the results
Method	POST
Parameters	+userId:integer user Id
	+friendId:integer friend Id
Response Body	For http status code different from 200, body has error message
Permissions	USR

R505

R505	Get Band Messages API
URL	/api/users/{userId}/bands/{bandId}/messages
Description	Web resource that searches the system for messages and returns the results
Method	GET
Parameters	+userId:integer user Id
	+bandId:integer band Id
	?offset: integer Offset to retrieve list of messages
Response Body	JSON501
Permissions	USR

R506

R506	Send Band Message
URL	/users/{userId}/chat
Description	Web resource with a form to create a message
Method	GET
Parameters	+userId:integer userId
UI	UI05
AJAX Calls	R508
Permissions	USR

R507

R507	Send Band Messages API

URL	/api/users/{userId}/bands/{bandId}/messages
Description	Web resource that searches the system for messages and returns the results
Method	POST
Parameters	+userId:integer user Id
	+bandId:integer band Id
Response Body	For http status code different from 200, body has error message
Permissions	USR

M06: Comments

These are the endpoints available in the Chat Module.

```
* R601: Get Comments API /api/posts/{postId}/comments
* R602: Delete Comment API  /api/posts/{postId}/comments/{commentId}
* R603: Create Comment /users/{userId}/posts,
       /bands/{bandId} and
       /users/{userId}/posts
* R604: Create Comment API  /api/posts/{postId}/comments
* R605: Edit Comment /users/{userId}/posts,
       /bands/{bandId} and
       /users/{userId}/posts
* R606: Edit Comment API  /api/posts/{postId}/comments/{commentId}
```

R601

R601	Get Comments API
URL	/api/posts/{postId}/comments
Description	Web resource that searches the system for comments and returns the results
Method	GET
Parameters	+postId:integer Post id

	?offset: integer Offset to retrieve list of comments
Response Body	JSON601
Permissions	USR

R602

R602	Delete Comment API
URL	/api/posts/{postId}/comments{commentId}
Description	Web resource to delete a comment
Method	DELETE
Parameters	+postId:integer Post id
	+commentId:integer Comment primary key
Response Body	For http status code different from 200, body has error message
Permissions	OWN

R603

R603	Create Comment
URL	/users/{userId}/posts, /bands/{bandId} and /users/{userId}/posts
Description	Web resource with a form to create a new comment on a post
Method	GET
UI	UI05
AJAX Calls	R311
Permissions	USR

R604

R604	Create Comment API
URL	/api/posts/{postId}/comments
Description	Web resource to create a comment
Method	POST
Parameters	+userId:integer user id
	+postId:integer post id
	?text:string comment text
Response Body	For http status code 200, body has id of comment, else has error message
Permissions	USR

R605

R605	Edit Comment
URL	/users/{userId}/posts, /bands/{bandId} and /users/{userId}/posts
Description	Web resource with a form to edit a comment on a post
Method	GET
Paramenters	+userId: integer User id
UI	UI05
AJAX Calls	R313
Permissions	OWN

R606

R606	Edit Comment API
URL	/api/posts/{postId}/comments{commentId}
Description	Web resource to create a comment

Method	PUT
Paramenters	+postId: integer post id
	+commentId: integer comment id
	?text:string comment text
Response Body	For http status code different from 200, body has error message
Permissions	OWN

M07: User Notifications

These are the endpoints available in the User Notifications Module.

```
* R701: Get Notifications /
* R702: Get Notifications API /api/users/{userId}/notifications
```

R701

R701	**Get Notifications**
URL	/
Description	Web resource that gets the notifications
Method	GET
AJAX Calls	R702
Permissions	USR

R702

R702	**Get Notifications API**
URL	/api/users/{userId}/notifications
	Web resource that searches the system for notifications and returns

Description	the results
Method	GET
Response Body	JSON701
Permissions	USR

4.JSON/XML Types

JSON301 (Posts array)

```json
[
    {
        "id": "1",
        "date":"01/04/2018 17:21:08",
        "text": "sdfsfdsgdfgdh",
        "author": {
            "id": 34,
            "name": "João Pedro"
        },
        "bandName":"Pearl Jam",
        "bandId":3
    },

    {
        "id": "3",
        "date":"31/03/2018 18:31:01",
        "text": "sdfsfsdfsdgdfgfdgdsgdfgdh",
        "author": {
            "id": 22,
            "name": "Danny"
        },
        "bandName":null,
        "bandId":null
    },

    {
        "id": "6",
        "date":"31/03/2018 17:31:21",
        "text": "sdfsfssdfsdgsfdfsdgdfgfdgdsgdfgdh",
        "author": {
            "id": 12,
            "name": "João Conde"
        },
        "bandName":"Future Islands",
        "bandId":6
    }
```

```
    ]
```

JSON501

```
[
    {
        "id": "1",
        "text": "Hello",
        "date":"31/03/2018 17:31:21",
        "author": {
            "id": 34,
            "name": "João Pedro"
        }
    },

    {
        "id": "2",
        "text": "How are you?",
        "date":"31/03/2018 17:32:11",
        "author": {
            "id": 22,
            "name": "Danny"
        }
    }

]
```

JSON601

```
[
    {
        "id": "1",
        "text": "Very nice post",
        "author": {
            "id": 34,
            "name": "João Pedro"
        }
    },

    {
        "id": "3",
        "text": "Thanks João",
        "author": {
            "id": 22,
            "name": "Danny"
        }
    },
```

```
        {
            "id": "6",
            "text": "Which João?",
            "author": {
                "id": 12,
                "name": "João Conde"
            }
        }
    ]
```

JSON701

```
[
    {
        "id": "1",
        "date":"01/04/2018 17:21:08",
        "text": "Danny Soares followed you",
        "link": "/users/12"
    },

    {
        "id": "2",
        "date":"01/04/2018 17:21:08",
        "text": "Nice post",
        "link": "/posts/16/comments/18"
    }

]
```

Revision history

- Added Modules
- Changed paths to be RESTful compliant
- JSON reviews
- Added HTTP error codes in some AJAX call responses
- Added permissions

GROUP1712, 11/04/2018

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