

# CollegeChef API

Endpoint	Method	Token	Description	Input JSON	Output JSON	Possible Errors	Scope
/login	POST		Log in	userName, password	userId, userName, isAdmin, token	400: missing required input 403: incorrect userName or password, login failed	All
/user	POST		Create user	userName, password, [email]	userId, userName, isAdmin	400: not validated 403: no data in database	All
	DELETE	Required	Delete a user	userId	An HTTP OK	401: authentication failed 400: not validated or current user is not admin	Admin only
/user/:userId/profile	GET	Required	Get user info	userId	userId, userName, email, isAdmin, description, profilePhoto	401: authentication failed 403: no data in database	Any logged-in users or admin
/user/:userId/edit/password	PUT	Required	Change password	userId, userName, password, newPassword	An HTTP OK	401: authentication failed 400: not validated	Any logged-in users or admin
/user	PUT	Required	Edit a user profile	userId, [email], [description], [profilePhoto]	An HTTP OK	401: authentication failed 400: not validated 403: no data in database	Any logged-in users or admin
/users	GET	Required	Get a list of all users	Nothing	Users (array of id, userName, email)	401: authentication failed 403: no data in database or current user is not admin	Admin only
/ingredients	GET		Get a list of all ingredients	Nothing	Ingredients (array of id, name and imgUrl)	403: no data in database	All
/search	POST		Search for recipes by selected ingredients	array of ingredientId	Ingredients (array of ingredientId and amount), Recipes (array of id, recipeName, description and imgUrl)	400: missing required input	All
/recipes/hot	GET		Get a list of hot (mostly commented) recipes	Nothing	commentCount, Recipes (array of id, recipeName, description	None	All

					and imgUrl)		
/recipes/remarkable	GET		Get a list of remarkable (highest average rated) recipes	Nothing	avgScore, Recipes (array of id, recipeName, description and imgUrl)	None	All
/recipes/new	GET		Get a list of new recipes (ModifiedDate)	Nothing	ModifiedDate, Recipes (array of id, recipeName, description and imgUrl)	None	All
/recipes/favorite	GET	Required	Get a list of favorite (starred by current user) recipes	Nothing	Recipes (array of id, recipeName, description and imgUrl)	401: authentication failed	Any logged-in users or admin
/recipes/uploaded	POST	Required	Get list of recipes uploaded by specified user	[userName] (if userName is not passed, default to current user)	Recipes (array of id, recipeName, description and imgUrl)	401: authentication failed	Uploader or admin
/recipes	GET		Get a list of all recipes	Nothing	Array of Recipes		All
/recipe	POST	Required	Add a recipe			401: authentication failed	Any logged-in users or admin
/recipe/:recipeId	DELETE	Required	Delete a recipe	{ } (empty JSON)	An HTTP OK	401: authentication failed	Any logged-in users or admin
	PUT	Required	Modify a recipe	At least one of (recipeName, description, instruction, imgUrl, numServings, notes)	An HTTP OK	400: missing required input 401: authentication failed	Any logged-in users or admin
	GET		Get a recipe	Nothing	Id, recipeName, description, instruction, imgUrl, numServings, ModifiedDate, uploader (id and userName), modifier (id and userName), category (id and name), ingredients (array of id, name and imgUrl)	None	All

/recipe/:recipeId/ingredient	POST	Required	Add an ingredient to recipe	ingredientId	An HTTP OK	400: missing required input 401: authentication failed	Any logged-in users or admin
	PUT	Required	Update an ingredient's amount	ingredientId, amount	An HTTP OK	400: missing required input 401: authentication failed	Any logged-in users or admin
	DELETE	Required	Remove an ingredient from a recipe	ingredientId	An HTTP OK	400: missing required input 401: authentication failed	Any logged-in users or admin
/recipe/:recipeId/comments	GET		Get a list of comments of the current recipe	Nothing	Array of Comments([recipeId, personId, isImage, message])	None	All
	POST	Required	Comment a recipe	isImage (boolean), message(string)	recipeId	401: authentication failed 400: missing required input	Any logged-in users or admin
/recipe/:recipeId/rate	POST	Required	Rate a recipe	Score(number)	Score(number)	401: authentication failed 400: missing required input	Any logged-in users or admin
	GET		Get a rate of the recipe (for logged-in user who has rated specified recipe, return score he rated; for not logged-in users or logged-in users who hasn't rated this recipe, return average score of this recipe)	Nothing	Scores(number)	None	All
/recipe/:recipeId/favorite	POST	Required	Favorite a recipe	{ } (empty JSON)	recipeId	401: authentication failed	Any logged-in users or admin
	DELETE	Required	Unfavorite a recipe	{ } (empty JSON)	An HTTP OK	401: authentication failed	Any logged-in users or admin
/notification	GET	Required	Get list of notification histories of current user	Nothing	Array of NotificationHistory(personId; operatorId(id of person who cause the notification; typeNumber, createdDate))	None	Any logged-in users or admin
/notification_settings	GET	Required	Get notification settings	Nothing	NotificationSettings(pers	401: authentication failed	Any logged-in

			of current user		onId; enableTypeNumbers(arr ay of Number, type number of 5 notification types))		users or admin
	PUT	Required	Update notification settings	enableTypeNumber s(array of Number)	An HTTP OK	400: missing required input 403: invalid enableTypeNumbers	Any logged-in users or admin

- If Token is required, pass token via bearer authorization HTTP header in request.
- Get current userId, userName and status(Admin or user) from request.userId, request.userName and request.isAdmin

#### Collections:

- User: userName(String), [email(String)], password(String), isAdmin(Boolean), [description(String)], [profilePhoto(String)]
- Recipe: personId(User.Id), recipeName(String), ModifiedDate(default: Date.now), ModifiedById(User.Id), categoryId(Category.Id), description(String), instruction(String), imgUrl(String), numServings(Number), [notes(String)]
- Ingredient

#### APIs that haven't been implemented (sorry about that):

- POST "/recipe" - add a recipe
- POST "/recipe/:recipeId/ingredient" - add an ingredient to a recipe
- PUT "/recipe/:recipeId/ingredient" - update an ingredient in a recipe
- DELETE "/recipe/:recipeId/ingredient" - remove an ingredient in a recipe