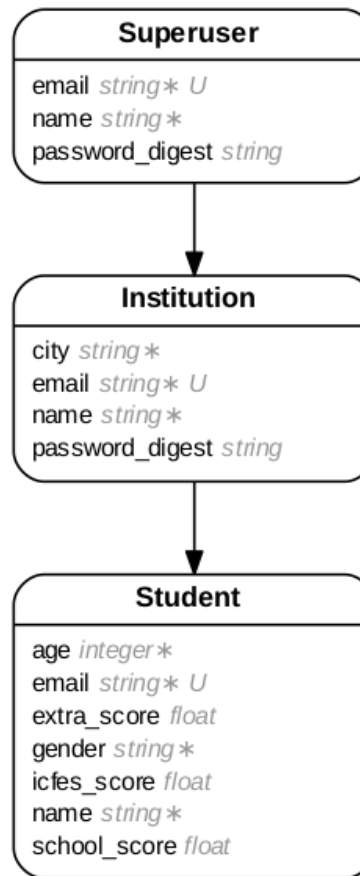


QUIRON API DOCUMENTATION

General Models Description and Entity Representation Diagram

Hackapp domain model



All datatypes of the database models are defined as seen.

General Front-Server Side Communication Diagram



Image 2: Basic general front-server side communication diagram

API Reference

HTTP Verb	URL	PARAMETERS	OUTPUT	EXAMPLE
POST	/login	<ul style="list-style-type: none"> - session[user_type] (<i>String</i>): Specifies user type Ministerio or Instituto. - session[email] (<i>String</i>): Specifies email of user in default email format. - session[password] (<i>String</i>): Specifies password. 	<ul style="list-style-type: none"> - user (<i>Object</i>): user details without password. - success (<i>Boolean</i>): true when logged in successfully. 	<p>Parameters: session[email]:iavh@gmail.com session[password]:iavh1234 session[user_type]:Institución</p> <p>Output: <pre>{ "user": { "id": 2, "name": "Instituto Alexander Von Humboldt", "email": "iavh@gmail.com", "created_at": "2017-06-16T20:19:23.172Z", "updated_at": "2017-06-16T20:19:23.172Z", "password_digest": "", "city": "Barranquilla", "superuser_id": 1 }, "success": true }</pre></p>
DELETE	/logout	N/A	N/A	N/A
GET	<ul style="list-style-type: none"> - /students/all - /institutions/all 	<ul style="list-style-type: none"> N/A N/A 	<ul style="list-style-type: none"> - students (<i>Array</i>): Contains all students in the database. - student (<i>Object</i>): All data concerning the student. 	<p>Output: <pre>{ "students": [{ "id": 1, "name": "Guillermo Borrero",</pre></p>

			<p>- institutions (<i>Array</i>): Contains all students in the database.</p> <p>- institution (<i>Object</i>): All data concerning the student.</p>	<pre> "email": "gborrero@uninorte.edu.co", "age": 21, "icfes_score": 350, "extra_score": 100, "school_score": 70, "gender": "Masculino", "created_at": "2017-06-16T20:04:24.851Z", "updated_at": "2017-06-16T20:04:24.851Z", "institution_id": 1, "personal_id": "1140877523", "personal_id_type": "Cedula", "global_score": "213.0" }, { "id": 2, "name": "Johann Romero", "email": "jromero@uninorte.edu.co", "age": 22, "icfes_score": 400, "extra_score": 90, "school_score": 80, "gender": "Masculino", "created_at": "2017-06-16T20:07:17.186Z", "updated_at": "2017-06-16T20:07:17.186Z", "institution_id": 1, "personal_id": "114081234", "personal_id_type": "Cedula", "global_score": "241.0" }] } </pre>
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GET	/students/best/:number	<p>- :number (<i>Integer</i>): Specifies the number of best students to return.</p>	<p>- students (<i>Array</i>): array of objects containing the best :number students.</p>	<p>Input: https://quiron.herokuapp.com/students/best/1</p> <p>Output:</p> <pre>{ "students": [{ "id": 4, "name": "Jose Hernandez", "email": "gjhernandez@uninorte.edu.co", "age": 23, "icfes_score": 500, "extra_score": 100, "school_score": 100, "gender": "Masculino", "created_at": "2017-06-16T20:23:53.225Z", "updated_at": "2017-06-16T20:23:53.225Z", "institution_id": 2, "personal_id": "1140877523", "personal_id_type": "Cedula", "global_score": "300.0" }] }</pre>
GET	institutions/:institution_id/students/best/:number	<p>- :institution_id (<i>Integer</i>): Specifies the Id of the institution.</p> <p>- :number (<i>Integer</i>): Specifies the number of</p>	<p>- students (<i>Array</i>): array of objects containing the best :number students in the institution with id :institution_id.</p>	<p>Input: https://quiron.herokuapp.com/students/best/1</p> <p>Output:</p>

		best students to return.		<pre>{ "students": [{ "id": 4, "name": "Jose Hernandez", "email": "gjhernandez@uninorte.edu.co", "age": 23, "icfes_score": 500, "extra_score": 100, "school_score": 100, "gender": "Masculino", "created_at": "2017-06-16T20:23:53.225Z", "updated_at": "2017-06-16T20:23:53.225Z", "institution_id": 2, "personal_id": "1140877523", "personal_id_type": "Cedula", "global_score": "300.0" }] }</pre>
POST	/institutions /students	<ul style="list-style-type: none"> - institution (<i>Object</i>): Object that defines a new institution. - institution (<i>Object</i>): Object that defines a new student. 	<ul style="list-style-type: none"> - institution (<i>Object</i>): newly created institution. - student (<i>Object</i>): newly created student. 	Input: student[name]:Carlos Valderrama student[email]:cvalderrama@uninorte.edu.co student[icfes_score]:430 student[school_score]:80 student[extra_score]:70 student[age]:22 student[institution_id]:2 student[gender]:Masculino student[personal_id]:1140851387 student[personal_id_type]:Cedula

				Output: <pre>{ "student": { "id": 6, "name": "Carlos Valderrama", "email": "cvalderrama@uninorte.edu.co", "age": 22, "icfes_score": 430, "extra_score": 70, "school_score": 80, "gender": "Masculino", "created_at": "2017-06-16T20:30:06.043Z", "updated_at": "2017-06-16T20:30:06.043Z", "institution_id": 2, "personal_id": "1140851387", "personal_id_type": "Cedula", "global_score": "254.0" }, "success": true }</pre>
PUT, PATCH, DELETE	/students/:id /institutions/:id	- :id : Id of the institution/user to be deleted or updated.	-	
GET	institutions/:institution_id /students/all	- :institution_id :	- students (<i>Array</i>): Contains all students of the institution with id :institution_id .	

root	GET	/	api#home
login	POST	/login(:format)	sessions#create
logout	DELETE	/logout(:format)	sessions#destroy
students_all	GET	/students/all(:format)	students#show
	GET	/students/best/:number(:format)	students#show
institutions_all	GET	/institutions/all(:format)	institutions#show
	GET	/institutions/:institution_id/students/best/:number(:format)	students#show
institutions	POST	/institutions(:format)	institutions#create
institution	GET	/institutions/:id(:format)	institutions#show
	PATCH	/institutions/:id(:format)	institutions#update
	PUT	/institutions/:id(:format)	institutions#update
	DELETE	/institutions/:id(:format)	institutions#destroy
students	POST	/students(:format)	students#create
student	GET	/students/:id(:format)	students#show
	PATCH	/students/:id(:format)	students#update
	PUT	/students/:id(:format)	students#update
	DELETE	/students/:id(:format)	students#destroy
	GET	/institutions/:institution_id/students/all(:format)	students#show

Image 2: All URLs for the API.