INTERACTIVE API DOCS WITH SWAGGER

ABOUT ME

- Katja Bregenzer
- Software developer at Lime Technologies
- Grew up in southern Germany and moved to Sweden in 2018
- 4+ years experiences with web development (javascript, html, css, python, java)

ABOUT LIME TECHNOLOGIES

- nearly 270 co-workers, over 60 000 users and 25 years experience in the CRM industry
- one of the leading CRM providers in the Nordic's
- offices in Lund, Stockholm, Gothenburg, Helsinki, Copenhagen and Oslo

NORDIC TRAINEE PROGRAM

- 1 year program with a mentor on your side
- kickoff with 4 weeks of education in Lund
- roles: developer, account manager, application consultant, technical project manager
- starting in January and August



WHY CRM?

- connecting the dots: who was in contact with whom about what
- enable the best possible customer support
- support for recurring workflows

LIME CRM

- configurations & plugins
- custom database structures changeable at runtime
- -> how can you get the current database structure?

LIMETYPE API

LIMETYPES

- custom database tables
 - custom name
 - custom columns
- labels to connect a table to known entities/ concepts
- system columns as common factor

ENDPOINTS

- api/v1/limetype/
- api/v1/limetype/university
- api/v1/limetype/university/?
 embed=properties

SWAGGER UI

Swagger UI allows anyone [...] to visualize and interact with the API's resources without having any of the implementation logic in place. It's automatically generated from your OpenAPI Specification, with the visual documentation [...].

Swagger UI

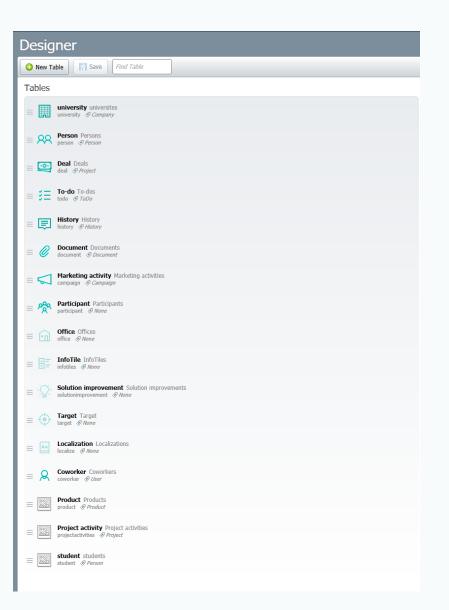
OPENAPI SPECIFICATION

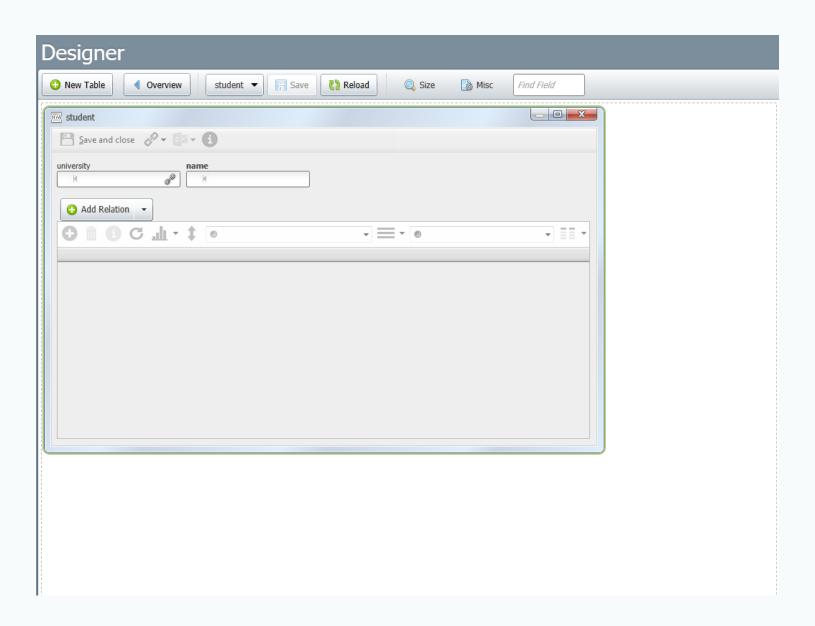
- specification to describe a REST API
 - available endpoints
 - operation parameters
 - authentication
 - Contact information, license, terms of use...
- in YAML or JSON

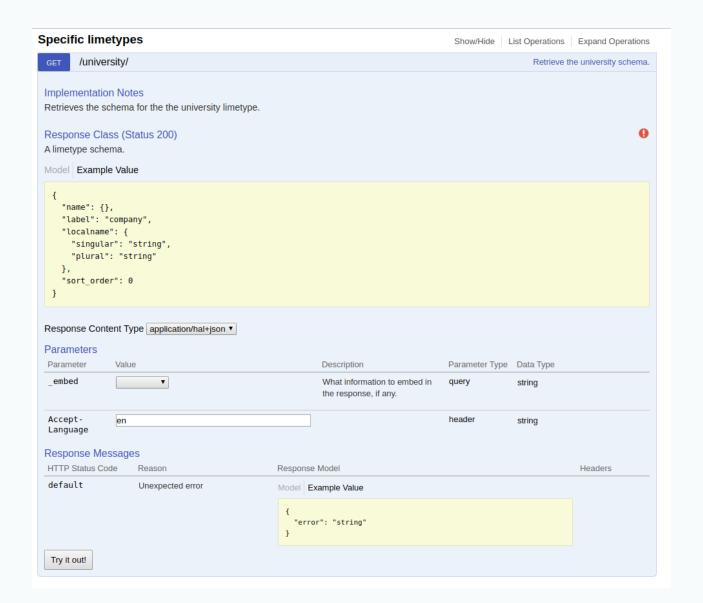
LIMETYPE API WITH SWAGGER UI

- dynamic endpoints in OpenAPI specification
- use Jinja template for serverside rendered yaml specification

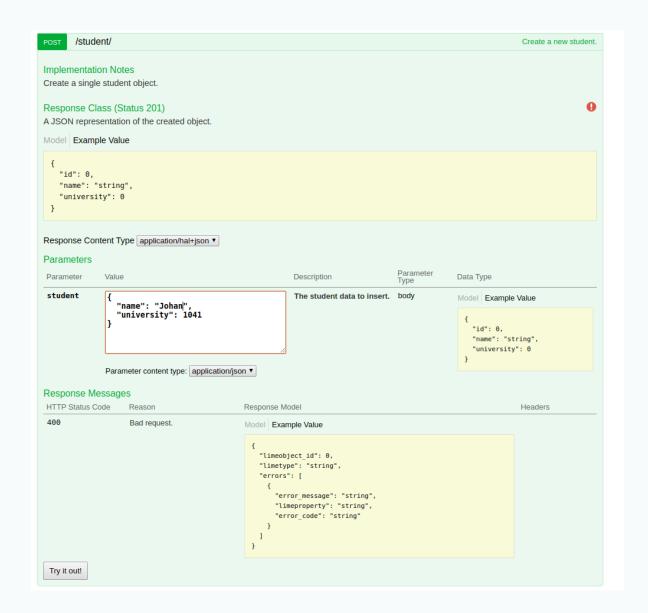
DEMO TIME







universites Show/Hide List Operations Expand Operations		
GET	/university/	Retrieve universites
POST	/university/	Create a new university.
DELETE	/university/{id}/	Delete a university.
GET	/university/{id}/	Retrieve a university.
PUT	/university/{id}/	Update an existing university.
GET	/university/{id}/coworker/	Retrieve a related coworker.
GET	/university/{id}/deal/	Retrieve related deals.
GET	/university/{id}/history/	Retrieve related history.
GET	/university/{id}/document/	Retrieve related documents.
GET	/university/{id}/todo/	Retrieve related to-dos.
GET	/university/{id}/student/	Retrieve related students.



THANKS FOR YOUR ATTENTION

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