**Backend Study task 1a notes**

<https://github.com/valju/idea-case-backend>

* The app consists of 3 main folders:

+ Database: DB\_Design folder contain picture that illustrates the relationship between tables. SQL\_Scripts contains all queries for creating table, inserting new data to the database.

+ Postman: contains use cases and examples.

+ src: is where all the logics and connections are wrapped into.

* In the index.js file in src folder: Express is imported and use to:

1. Configure Node.js server:

const init = async () => {

await app.use(SERVER\_SETTINGS.api\_url\_prefix, routes);

1. Configure end points:

await app.get("/", function(req, res) {

res.send("Hello from the Node&Express Backend!").end();

});

1. Configure Rest API service routing:

await app.use((error, req, res, next) => {

return res.status(error.status || 500).json({ error: error.message });

});

1. Start server:

await app.listen(SERVER\_SETTINGS.port);

* In the routes/api folder, Knex is imported and used:

1. In index.js file inside routes/api folder, routes to each endpoint are defined.
2. In category.js, comment.js, idea.js, ideaMember.js, member.js, reset\_service.js, Knex is used to get data from database and to catch error.

* In index.js file of db folder, knex is initiated with configuration (host, port, user, password, database, debug)
* In Db\_reset.js file of db folder, SQL scripts location are defined, mysql connection are created.