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Function	Lorem
Descripton	Ipsum
Inputs	Dorem
Source	dsajkl
Outputs	dsakldsahlk
Destination	daøslkdaslø
Action	dsaæøkdsa
Requires	dasdsa
Precondition	asdløs ahdlk s
Postcondition	dsaøljs a
Side effects	dsaøkjdas

example:

Function	Resets a user's password
Descripton	If a user wants to reset their password, or has forgotten their password, this function will allow them to regain access to their account.
Inputs	The email connected to a user
Source	The email received from user input
Outputs	The system will send an email with a link where the user can input their new desired password
Destination	Database and UI

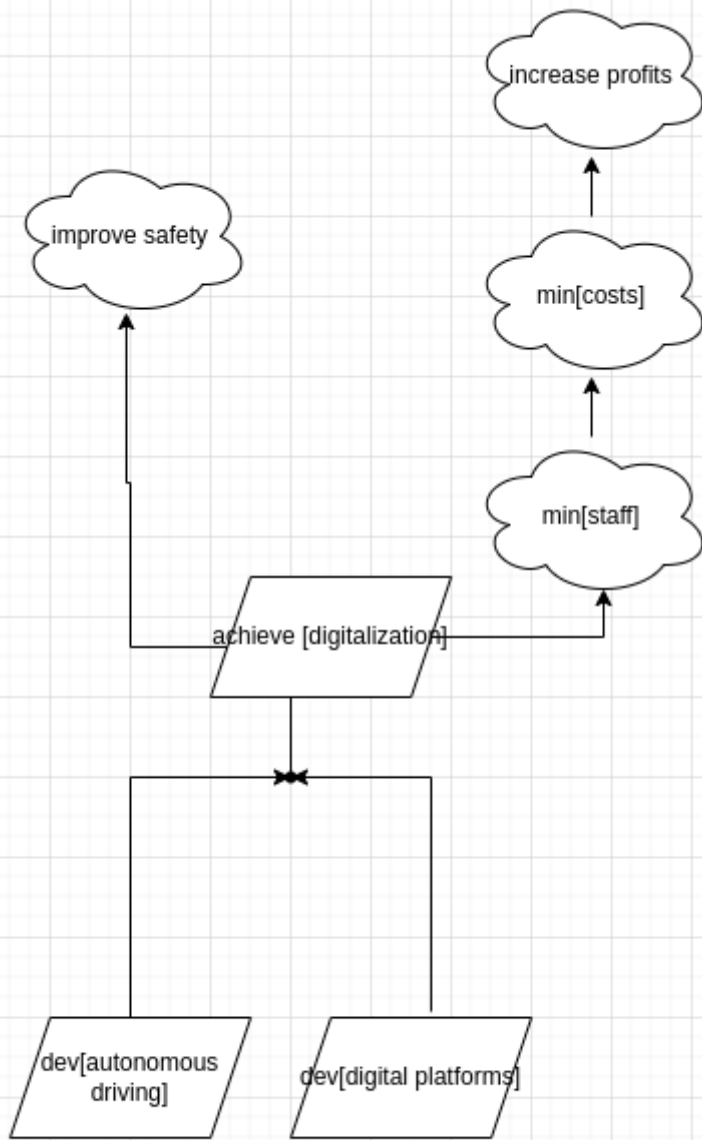
Action	When the server receives the request to reset the password to a user with a given email, the system will generate a unique url which will be sent to the requesting email. The user can then go to the given url and input their new desired password. When the user has submitted their new password, the server will then remove the old password and store the new password on the database. The user can then log in with their new password. The url which was used to set a new password must then also be voided (no longer work).
Requires	User email
Precondition	A registered user on the given email address.
Postcondition	The old password is removed a new one is inserted in its place.
Side effects	The old password will not longer work

Function	Search
Descripton	The user can search pizza types online
Inputs	the search term for finding pizza
Source	text input from user
Outputs	search results
Destination	UI
Action	when the user searches for a keywords regarding desired pizza, the search engine will return a selection of relevant pizza types to the UI
Requires	nothing
Precondition	search box is selected
Postcondition	relevant pizza is presented
Side effects	none

Function	pizza selection
Descripton	select type/amount pizza

Inputs	search results
Source	UI
Outputs	pizza details
Destination	server
Action	user specifies what type/amount pizza he wants
Requires	nothing
Precondition	search result is returned
Postcondition	pizza specification submitted to server (added to cart)
Side effects	none

Function	submit order details
Descripton	specify address/time AND provide payment details
Inputs	pizza details
Source	server
Outputs	order details
Destination	server
Action	user specifies address/time and provides payment details through UI and submits it
Requires	nothing
Precondition	pizza specification submitted to server (added to cart)
Postcondition	order details submitted to server
Side effects	invalid address OR address too far away OR payment details invalid



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scalability test:

Used to find out how the system will be able to scale out by checking the maximum load per server in order to identifying how many servers will be needed for a given load.

stress test:

Used to identify the potential maximum load for cases like black friday. Can be tested using e.g. apache jmeter. Predicting the actual stress will be hard to determine since the actual interest is not fully known, especially with new event variants.

load and stability test:

Stability entails how much uptime is needed throughout time, e.g. 24/7, may be needed with cloud services. Apache jmeter is used for load testing by ddosing ramping up until breaking point (same as stress?).

user acceptance testing:

tests performed by user to see if needs are met. Functional/acceptance/customer test terms used interchangeably in agile development.

- Is the system ready to operate?
- Tests against contracts and regulations by using checklists
- alpha testing done at developers' sites by internal staff before customer release
- beta testing done at customers' sites before further customer release

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category: Q3 - are all variables used?

before

```
let workoutData = await retrieveWorkoutImages(id);
```

after

```
await retrieveWorkoutImages(id);
```

Purpose: remove unused variable.

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etc.

