Code Review: Warenkorb (12.02.2022)

1. About the code:

Associated user stories:

024_Warenkorb_Suborders_anzeigen

025_Warenkorb_Suborder_entfernen

026_Warenkorb_Abgabe

027_Warenkorb_Suborder_bearbeiten

Iteration reviewed: 4

Code authors: Jannik Schmidt

Reviewed by: Simon, Jannik

Date: 12.02.2022

Language: Python, Javascript, HTML

Files: client/views.py, client/static/include/navbar/app.js, client/templates/include/warenkorb/warenkorb_order_table_interactive.html

2. Automated inspections:

- [x] ~~Code has no static type checking errors~~
- [x] ~~The code starts without errors~~
- [x] ~~The code starts without warnings~~
- [x] ~~The code is kept under source control~~

Testing:

- [ ] Tests cover edge cases
- [ ] Test have been peer reviewed
- [x] ~~All inputs are sanitised and validated~~
- [ ] There are unit tests
    - [ ] They are sufficient
    - [ ] The code passes them
- [x] ~~There are manual tests~~
    - [ ] The code passes them

3. Design

☑ ~~The code is complete (according to its associated user stories)~~

☐ Any missing functionality is marked clearly in the code

☑ ~~Code performance is acceptable~~

Maintainability:

☑ ~~The code is easy to read~~

☑ ~~The code method/class is not too long~~

☑ ~~The code is well structured~~

☐ There is design documentation

   ☐ The code matches the documentation

Best practices:

☑ ~~There is a reasonable amount of comments (only relevant comments)~~

☑ ~~No magic values (at least no undocumented ones)~~

4. General code comments:

Style:

☑ ~~The code layout is clear~~

☑ ~~It follows project style guidelines~~

☑ ~~There is a good choice of names~~

Defensive programming:

☑ ~~There is a correct choice of types/datastructures~~

☑ ~~All input is validated~~

Error handling:

☐ Error conditions are routinely handled

Structure:

☑ ~~There is no redundant code~~

☑ ~~There is no copy-paste programming~~

5. Statement-level review

File	Line	Issue
client/templates/include/warenkorb/warenkorb_order_table_interactive.html	89, 114	Using single quotes around {{x.customer_comment}} breaks when the comment contains linebreaks. Should be replaced with backticks
client/templates/include/warenkorb/warenkorb_order_table_interactive.html	5-66	Everything in <style> tags should be extracted into a css file.

6. Follow-up

Conclusion:

☐ Code OK

☑ ~~Rework and verify~~

☐ Rework and re-review

- Fix problems mentioned in Statement-level review
- Implement error handling
- Look into not always refreshing the whole shopping cart when there is a change to improve speed

Record the outcome of the review here:

- Implemented changes from Statement-level review
- The shopping cart will now only partially refresh when a value changes
- Update: Error handling was improved and unhandled errors are now shown to the user

Complete work by: Jannik Schmidt