

Code Review: Materialkauf (02.02.2022)

1. About the code:

Associated user stories:

- 035_Material-Einkauf_Auftrag_bestätigen
- 034_Material-Einkauf
- 049_Hinzufuegen_von_Materialbildern
- 036_Material-Einkauf_Kostenapproximation

Iteration reviewed: 4

Code authors: Frederick Wichert

Reviewed by: Frederick Wichert, Jonas Milkovits

Date: 02.02.2022

Language: Python, HTML, Javascript

Files: client/views.py, client/templates/produktauswahl/materialkauf/produktauswahl_materialkauf.html, client/templates/include/materialkauf/material_card.html, client/static/include/materialkauf/app.js,

2. Automated inspections:

- ☒ Code has no static type checking errors
- ☒ The code starts without errors
- ☒ The code starts without warnings
- ☒ The code is kept under source control

Testing:

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

3. Design

- ☒ ~~The code is complete (according to its associated user stories)~~
- ☒ ~~There is a good choice of algorithms~~
- ☒ ~~Code performance is acceptable~~
- ☐ Any missing functionality is marked clearly in the code

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	Rating
client/views.py	38	remove test object data	
.../material_card.html	16	replace hard coded thicknesses with database thicknesses	

6. Follow-up

Conclusion:

- ☐ Code OK
- ☒ ~~Rework and verify~~
- ☐ Rework and re-review

- remove console.log's
- replace magic numbers in slicing with variables
- improve error handling

Record the outcome of the review here:

Complete work by: Frederick Wichert