**Universität Bern**

Introduction to Software Engineering

ShopNote

Software Review Document

v1.0

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**Customer**  
Team 8

**Project**

Shopping-List

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# Assignment

The assignment consists of 3 points:

* Write a constructive and useful review of the project assigned to your team using the checklist template reported below. The review should serve as guideline to improve both code and design.
* Analyze and describe the strategy used to persist data. You can use a UML diagram to be more clear in your description. Split the adopted strategy in multiple steps and criticize the overall design. If a specific step of strategy is not well design, provide details on how it can be improved.
* Pick an activity of choice and analyze its code. Does the class have too many responsibilities ? Is there some logic that should be moved to another class ? If so, why ?

The Review must be saved in the assigned repository (NOT yours) at the following location: /Review/

Accepted file types: txt, doc, pdf (diagrams can be embedded or saved as image files)

Design

* Violation of MVC layers
* Usage of helper objects between view and model
* Rich OO domain model
* Clear responsibilities
* Sound invariants
* Overall code organization & reuse, e.g. views

Coding style

* Consistency
* Intention-revealing names
* Do not repeat yourself
* Exception, testing null values
* Encapsulation
* Assertion, contracts, invariant checks
* Utility methods

Documentation

* Understandable
* Intention-revealing
* Describe responsibilities
* Match a consistent domain vocabulary

Test

* Clear and distinct test cases
* Number/coverage of test cases
* Easy to understand the case that is tested
* Well crafted set of test data
* Readability