

Mini Group project

Car Wash Management System



SuperShine is a self-service carwash. Your job is to develop a car wash system for *SuperShine*.

This is how the business work at *SuperShine* and high level requirements for the new system:

- Customers buy an electronic WashCard that contains a value of washes for 200 -1000 kr (this is not part of the system).
- When customers want to wash their car; they insert their card into the machine and chose a specific wash type. The price of the wash is then deducted from the card.
- Customers can recharge their card with an amount up to 1000 kr by inserting their credit card and their WashCard into the machine.
- Customers can check the amount left on their card by inserting it into the machine.
- Customers can have a receipt printed if they wish
- The Owner would like to have statistics of the washes
- The System should be able to handle wash types and prices

Software Design

- 1) Write a vision for the system
- 2) Identify actors and use cases for the system
- 3) Draw a use case diagram
- 4) Create 1 brief use case description, 1 casual use case description and 1 fully dressed use case description
- 5) Create a activity diagram for the business process of buying a wash card and washing a car
- 6) Create a paper prototype for the system

*Hand in your solution to Fronter as a **group hand-in Friday October 2** Everything except your source code must in one single PDF file.*

Software construction

Jon will provide you with the requirements for Software Construction

Presentation

Presentation of your SWD and SWK solutions: **Tuesday October 6 at 8:30-11:00**. Each group has **15 min.** for their presentation.

Find your group on the next page...

Groups

Gruppe 1

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Gruppe 2

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Gruppe 5

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Gruppe 6

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Rikke Christina Hansen
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Peter Nicolai Riis
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Gruppe 7

Sky Jonas Etherington
Svend Christiansen
Victor Frederik Nielsen
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