

LULEÅ TEKNISKA UNIVERSITET

Sprint 3

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Contents

Summary	1
User stories	1
System architecture	1
backlog	3
Database schema	3
Code	5
Test case specifications	5
Limitations and improvements	5

Summary

We are working on a e-commerce site for selling patches and accessories such as belts and zippers for student overalls. It is intended to be dynamic with a fully functional content management system.

For educational purposes Ruby on Rails was chosen.

Scrum planning was done at Trello.com and GitHub.com was used as VCS.

User stories

Användare

- Butiksadministratör
 - r/w priser
 - r/w kampanjer
 - r/w lagerstatus
 - r/w kategorier
 - r leveransstatus
 - r kundinfo
- Lagerarbetare
 - r/w lagerstatus
 - r/w leveransstatus
 - r kundinfo
- Inloggad kund
 - r/w sin egen kontaktinformation
 - läsa sin egen orderhistorik
 - läsa sortimentet (produkter, priser, kampanjer, lagerstatus)
 - lägga orderar
 - ? Spara/skicka kundkorg

See Figure 1 - 3

System architecture

During development we run the system on Ruby on Rails (RoR) built in web server Puma and sqlight3 for simplicity, but intend to move to a MariaDB database and a NGINX webserver with Phusion Passenger for RoR. We host the servers ourselves because it seemed seemed fun, educational and fairly simple.

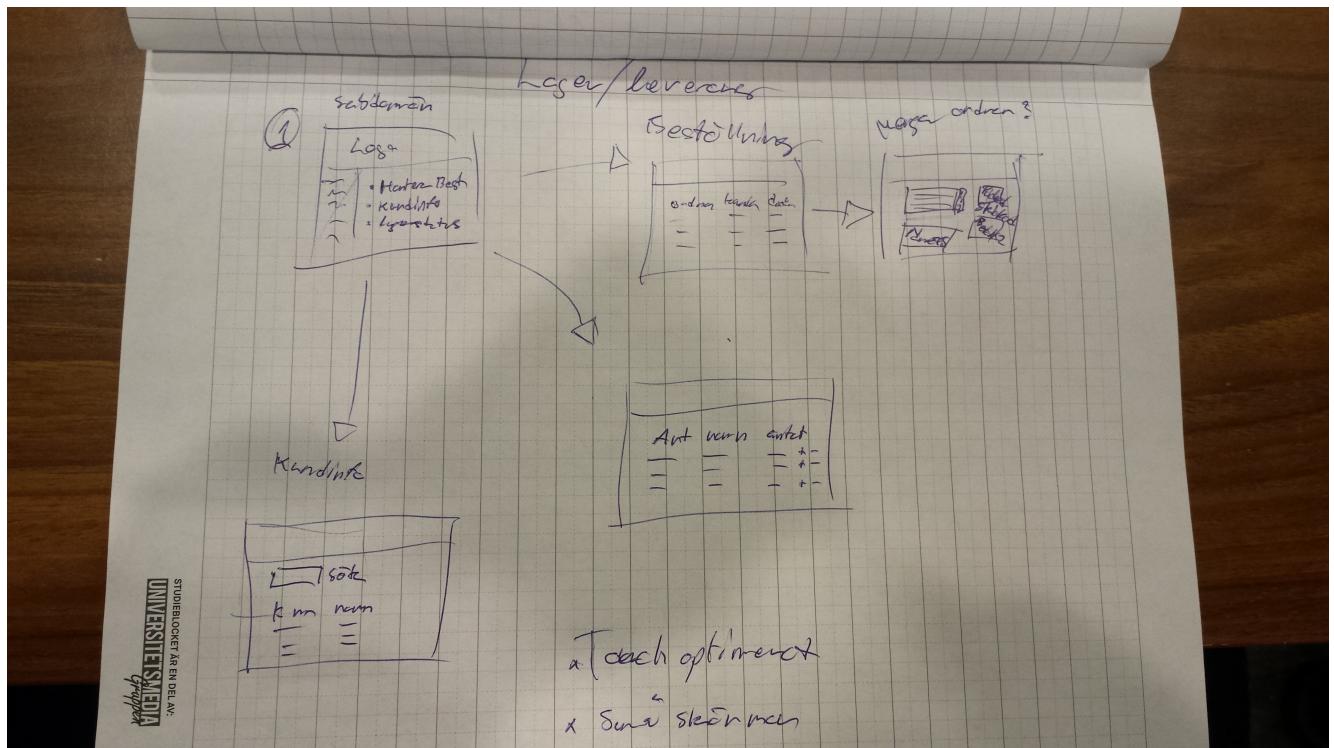


Figure 1

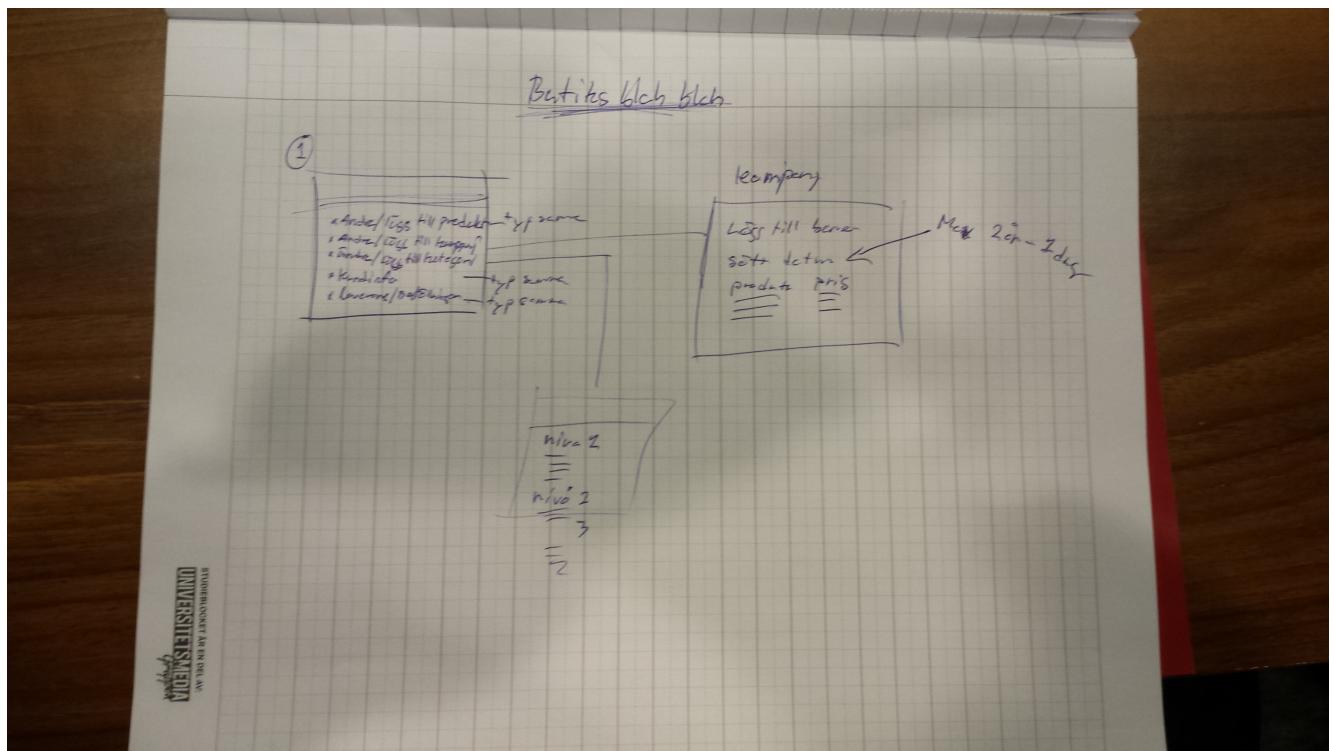
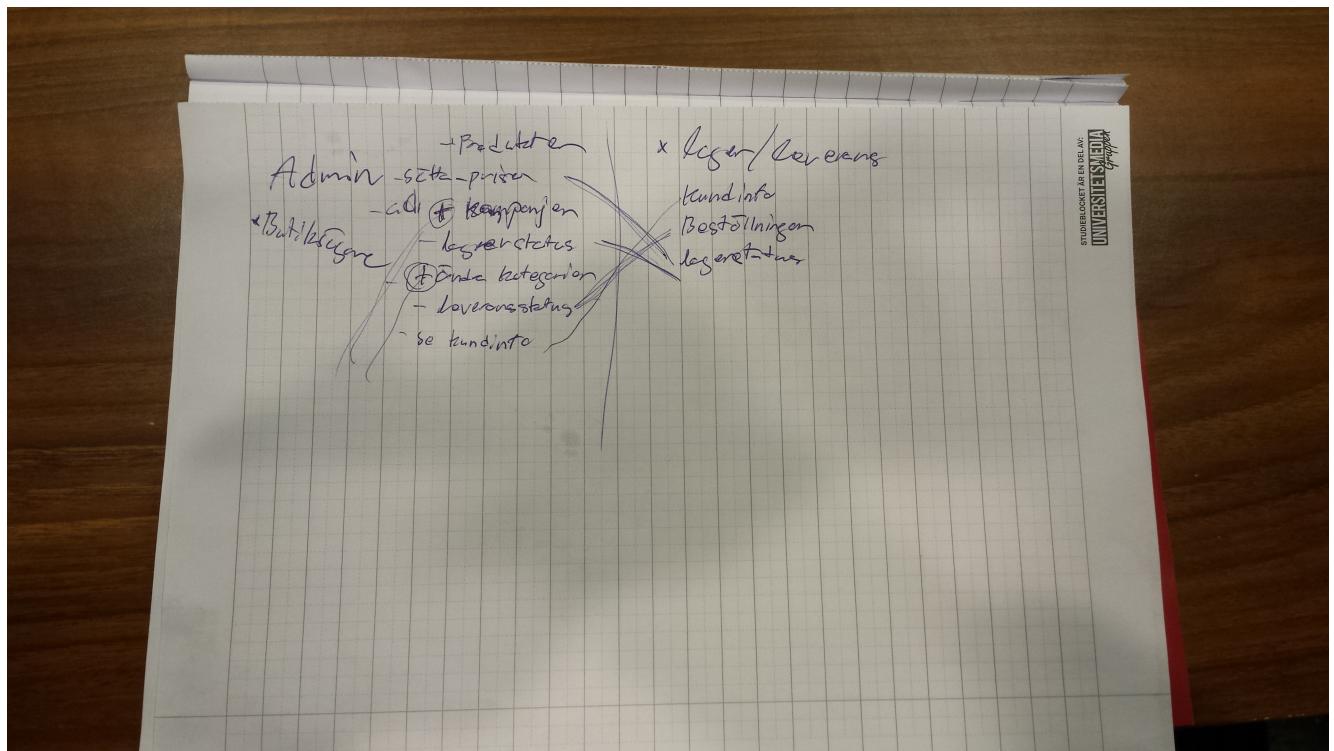


Figure 2

**Figure 3**

Backlog

#	Title	Priority	Time est.	Description
305	Kundkorg	80	8	
306	Betalsida	5	12	
307	Profilsida (kundkort)	45	2	
308	Orderhistorik	45	1	
309	Kundinlogg	50	2	
310	Registrering	60	4	
311	Produktsökning	45	1	
400	Backendinloggning	25	2	
410	Kampanjhantering	10	3	
1	Personnummer -/+ hantering	5	1	

Planing is done at Trello.com <https://trello.com/b/JxDCHBcm>

Database schema

See Figure 4

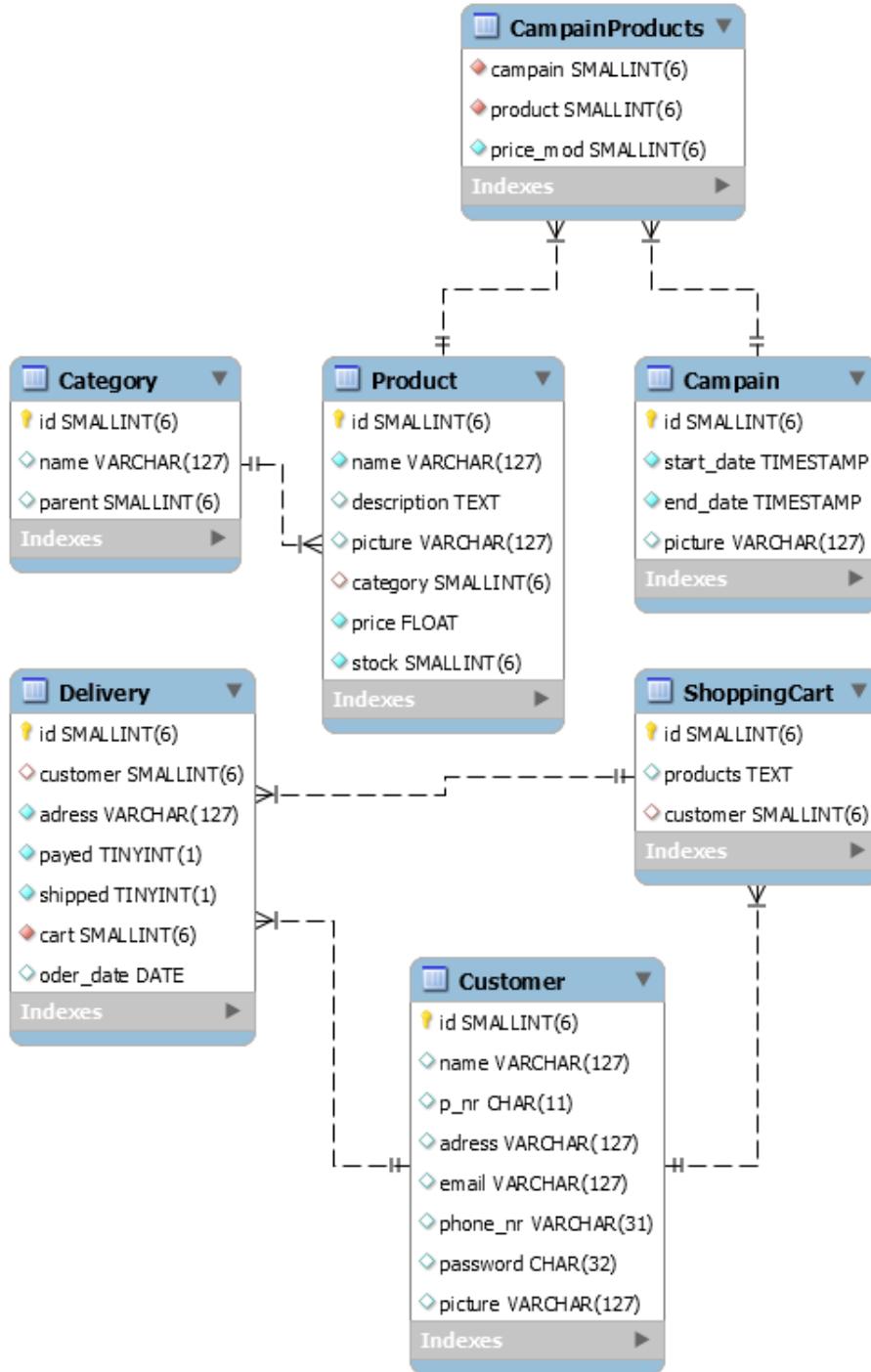


Figure 4: Database design.

Code

All code is available at github. <https://github.com/nikalas/D0018E-Databasteknik.git>

Limitations and improvements

We decided to put off saving payment methods and/or information. Might end up readding it to the backlog if it looks like we will have time to spare. Non-registered customers have also been put on hold for now.