Area	Functional requirements	Non-functional requirements
Account management	Users should be able to log into and out from their account	Safe Simple and quick Three categories: Customer, Bartender and Manager External reader: Telecard, electronic tag etc.
	VIP customers have a credit limit	Max credit 1000 SEK Soft limit handling(*)
	Bartender can manage accounts • new account • delete account • edit account details (address, phone etc.) • add credit to account	Easy access to the accounts
	VIP can view their credit	Safe user information handling
	Automatic logout	Logout after 3 minutes of inactivity Logout after completed order
	Manual logout	
Purchase and orders	Users can view their purchase	
	Order a selected beer	Not possible if out of stock
		An order should require a maximum of five mouse actions (excluding search activities)
		Several beers can be in one order
	Both bartender and VIP should be able to cancel an order	
	Both bartender and VIP should be able to undo a specific item on an order	
	Print order	
	Keep track of previous orders	Five previous orders per registered customer
	Split bills	
Search and sorting	Users and bartenders can search the inventory	Search properties: name, type, alcohol content, brewery
	Filtering of beverage list	

	Display image thumbnail of beer during search	
	Smart search	
Stock management	Automatic detection of low stock	Unobtrusive indication about low stock Easy to detect
	Clear overview over beers in stock	
	Order replenishment of low stock	There should be a possibility to have automated order creation
General	Multiple languages	English and Swedish
	Backup function	Automatic backup every 30 min.
	Restore function	One-click restore function
	There should be help available	
	Statistics should be saved per day	
	Undo-Redo function	Five levels of undo
Display issues	Display fridge position of certain beer	
	Change of theme	Four different themes
	Unavailable items should be marked (greyed out)	
	Display most popular beverages first	Max five items
	Clear and concise layout	
	Save the customer's favourites	Max five items
	Product image on the display	
Physical issues	Waterproofing of terminals	The system should incorporate at least three terminals in the building.
	Easy to clean	
Safety and Reliability	Immediate save of changes	< 10 s after change
	Easy to undo mistakes (robust undo)	
User Interaction	Beer rating	Limited number (5) of favourite beers

(*) Soft limit handling means that the first purchase that breaks the limit is still allowed, even if the final credit exceeds 1000 SEK by a small amount.