

Uppsala Universitet

Requirements: Flying Dutchman



Note

This is a (an incomplete) requirements specification. The blue items do not have to be implemented in your project (but can of course be, if you want to try it out). The black requirements have to be fulfilled for the project to be accepted.

Functional requirements

Functional requirements describe the functions that should be implemented in the system. When checked it will be easy to decide whether it has been fulfilled or not. The answer is either yes or no.

Functional Requirement	Comment or subrequirements	Impl?
Users and the bartender(s) have different interfaces.	The bartender needs to have more functions available.	
VIP users are registered with name, credit limit and address.	The system keeps track of the credit.	
An unobtrusive warning is issued to the user and the bartender before the credit limit is reached.	The limit can be set by the system administrator. The VIP can see his or her credit/balance.	
The bartender needs to be able to split the bill at a table.		
The system will issue an unobtrusive warning to the bartender when a beer is running out.		
The system can filter beverages according to allergies.	Sample allergies: gluten intolerance, lactose intolerance, nut allergy (other?)	
Quick order options in the bar are available for the bartender.	Most common beverages and VIPs should be easily accessible.	
Quick orders can be sent to the delivery company for most common items in the assortment	When an item runs out of stock it should be moved to an order-now list.	
It has to be possible to adjust the stock inventory, to compensate from loss or other unforeseen events.	The management of the stock has to be easy to overview and use.	
The system has to support the bartender in suggesting alternative brands.	This feature will be managed by the bartender. It is not supposed to be automatic.	
It has to be possible for a VIP to correct a sent order.	The order can be cancelled before a certain period of time.	
A credit can be paid to the bartender.	Quick-pay buttons will make it easier to update the credit when there are many customers.	
There has to be a way to log in to the system.	The login system has to be simulated	

	<p>in the project. We have no such security measures in the database system any way.</p>
The bartender can manage the VIP accounts.	New account, delete account edit account, add credit.
Automatic logout	It is easy to forget to logout, especially after some beers.
A VIP can see his or her orders.	
Order a selected beer.	<p>The ordering mechanism is the most important part of the system. The ordering of beers has to be a quick, flexible, and simple process.</p> <p>A beer that is out of stock cannot be ordered.</p>
Print order and/or receipt	
Any user is able to search for a special beer, or a certain type.	<p>The search mechanism should be intuitive and easy to handle.</p> <p>Name, type, alcohol content, brewery.</p> <p>Smart search – continuous update on writing the search term.</p>
The system has to be used by people with at least two languages.	
The products should be displayed on the screen.	The display should be clear and easy to overview.
Controls should be easy to use, and large enough for people with big hands.	
The bartender should be able to undo a (set of) orders in case of an error.	
Colour scheme adaptation for people with bad colour reception.	
It has to be possible to change themes on the display.	
Automated backup	
Sales statistics have to be available for the bartender.	
The bartender will have access to a log, where he or she can report incidents during the day evening.	The log entries should be shared among bartenders, but tagged with the individuals id.
When a beer is low in stock, also VIP customers need to order it from the bartender.	The exact limit of the low-level-limit can be difficult to decide, so it should be possible to adjust manually.

Nonfunctional requirements

Non-functional Requirement	Comment or subrequirements	Impl?
The beer list needs to show at least 50 beers to the customer.	This kind of requirement should be implemented with at least the double number.	
A VIP user should be able to carry out a standard order within 20 sec.	It can of course take longer, but it should not be necessary to use longer time.	
A VIP user can only order 5 bottles at a time (or up to the credit limit) without the aid of the bartender.		
The bar seats at most 40 customers at a time.	This amount should not be delimiting. Keep the number adjustable.	
There are at most 10 tables being served.	This number will not be changed unless the pub is redesigned.	
An order has to be updated/corrected/cancelled within 2 minutes.	This assumes that the bartender does not serve the beer quicker. Could possibly be adjusted by the bartender.	
A VIP customer can store 5 favourite beers on his or her page.	They should be easy to access.	
The system should be capable of shifting between 4 different themes.	Only two have to be implemented.	
Five most popular beverages should be displayed on top of list	Could be in a special place on the screen as well.	
There should be at least 5 levels of undo.		
Backups taken every 15 min.		
One-click restoration of backup.		