# Requirement specification based on Personas and Scenarios

#### Note:

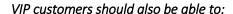
Items that are placed inside [...] should NOT be included in the application.

Items placed within {...} can be included at will, but they are not necessary.

# **Functional requirements**

The system should provide functionality that allows all customers to:

- 1. See available items (open menu)
- Order beverages {and food} from servicing bartender at the table
  - a. Single order
  - b. Group order
    - Group bill
    - Split bill
- 3. Change order
- 4. Pay at bar, or to bartender/waiter/waitress at table
  - a. See also 2.b.ii splitting the bill
  - b. Transaction is not implemented more than symbolically
    - The new amount can simply be entered (no card reader, Swish or similar equipment should be implemented)



- 5. Log in (at table)
  - a. Simple login!
  - b. No specific requirements on security in this project.
- 6. Log out
- 7. {Order food}
- 8. See account balance (at table)
- 9. Order and Pay from account (at table)
- 10. Fetch special beer/drink from fridge or bar (with combination lock)
- 11. Add to account (at bar)

### Bartender, Waiter and Waitress should be able to:

- 12. Log in
  - a. Simple login!
  - b. No specific requirements on security in this project.
- 13. Log out
- 14. See availability of product (General reg)
  - a. Remove product (temporarily) from menu
- 15. {Modify/Recalculate price of product as compensation for mistake}. This is used in order to compensate customers, if we cannot offer it on the house (see 16).}
  - a. {The Price modification has to be entered with a comment as to the reason.}
  - b.



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- 16. Offer product on the house
  - a. Balancing the income/expenses
  - b. Update number in stock
- 17. Notify security of problem
- 18. Get order for certain table
  - a. Change items on order
  - b. Allow for splitting the bill
- 19. {Reserve table for group at specified time}
  - a. {Remove reservation}
  - b. {Print reservation note}

## Manager/Owner needs to be able to:

- 20. Manage stock
  - a. Revise amounts
  - b. Order refill of items
  - c. Add/remove items from menu
- 21. [Manage prices.]
- 22. [Do accounting.]

#### General requirements

- 23. We need to be able to find products according to content
  - a. Allergies Gluten, Nuts, Lactose etc.
  - b. Alcohol content
  - c. Tannins (for wine)

# Non-functional requirements

- 24. An order can consist of up to ten items at the same time
- 25. The bartender should immediately be notified when an item is running low
  - a. A warning should be given when there are less than five items left of a certain type
- 26. The security notification should be accessible within three seconds (17)

#### Additional details

- 27. The interface must connect to the thematic background of the Pub
- 28. Drinks should be listed with the following details on the menu:
  - a. Beers
    - Name
    - Producer/Brewery
    - Country
    - Type (IPA, lager
    - Strength
    - Serving size (tap, bottle)
    - Price
  - b. Wine
    - Name
    - Year
    - Producer
    - Type
    - Grape
    - Serving size (glass, bottle)
  - c. Cocktails/Drinks

- Name
- Strength
- Contents/Recipe (for allergy purposes)
- Serving size
- 29. For the bartender and manager, the number of remaining servings should also be shown
  - a. It should be easy to see when an item is low in number

#### Notes

- 30. There should be one 9"-10" touch-screen at each table, and a large screen at the bar.
- 31. Waiters and Bartender should also have a small tablet for taking orders at the tables

## Course based requirements

- 32. The system should be implemented using MVC
- 33. The system should provide three distinct interface languages
- 34. The system should implement Drag and Drop for suitable actions
- 35. The system should implement an UNDO/REDO functionality
  - a. at least two different actions are required
  - b. unlimited undo-redo
- 36. The system should be possible to resize between the bartender view (27") to table tablet (9"-10")
- 37. The system should be reasonably debugged
- 38. The code needs to be well documented
- 39. In order to pass the course, you only need to be able to show that the system can run on one platform, on one browser.