

| ID | As a... | I want to be able to... | So that... | Tasks | Priority | Sprint | Status | Assignee | Estimated Time | Time spent |
|----|------------------|---|---|---|----------|--------|---------|-------------------------|----------------|---|
| 1 | Customer | create an account with a unique id and password | I can create a profile | Create profile | Must | 1 | Done | Marina Serafeimidi | 30min | 1h |
| | | | | Save profile | Must | 1 | Done | Marina Serafeimidi | 30min | 45min |
| | | | | Set up database | | | | Marina Serafeimidi | 45min | 1.5h |
| | | | | Have unique credentials | Must | 1 | Done | Daan Panis | 1h | 45min |
| 2 | Customer | login using my credentials (id and password) | I can access my profile and use the app | Authentication login functionality | Must | 1 | Done | Daan Panis | 30min | 1h |
| 6 | Customer | cancel an order | I can change my mind about ordering | Implement option to remove an order from DB in controller | Must | 1 | Done | Toma Volentir | 3h | 4h (including time to create all domain logic) |
| 9 | Regional Manager | see all current orders | manage my store's workload | Create database model for order | Must | 1 | Done | Toma Volentir | 30min | 30min |
| | | | | See all current orders | Must | 1 | Done | Toma Volentir | 10min | 10min |
| 10 | Store Owner | get notified when an order is placed or cancelled at this store | I can start/stop preparing it | Add notification when order is placed - interact with store | Must | 1 | Done | Toma Volentir | 10min | 10min |
| | | | | Add notification when order is cancelled - interact with store | Should | 1 | Pending | Toma Volentir | | |
| | | | | Send notification to store when order is placed - make endpoint | Must | 1 | Done | Nicolae Filat | 2h | 2h |
| | | | | Send notification to store when order is cancelled - make endpoint | Should | 1 | Pending | Nicolae Filat | | |
| 11 | Administrator | check coupons for eligibility (coupon code actually exists) | I can ensure the coupon code format is valid | Uniqueness in coupon codes | Should | 1 | Done | Angelika Mentzelopoulou | 30min | 30min |
| | | | | Check for already existing code | Should | 1 | Done | Angelika Mentzelopoulou | 30min | 45min |
| | | | | Check for correct code format | Should | 1 | Done | Angelika Mentzelopoulou | 1h | 1h |
| 12 | Administrator | check coupons for availability (coupon code is not expired) | I can ensure the coupon code date is valid | Assure expiry date is in the present or future before using | Should | 1 | Done | Angelika Mentzelopoulou | 1h | 1h |
| 13 | Administrator | I should be able to make coupons available for a limited time | users do not apply them after they have expired | Assure expiry date is a valid date | Should | 1 | Done | Angelika Mentzelopoulou | 1h | 1h30min |
| 15 | Customer | get 2 types of coupons: 1+1, x% discount | I have many opportunities to get a cheaper price | Offer two types of coupons | Should | 1 | Done | Angelika Mentzelopoulou | 30min | 15min |
| 16 | Customer | include allergies in my account | they are saved and I do not have to fill them in every time | Create customer model | Should | 1 | Done | Marina Serafeimidi | 20min | 20min |
| | | | | Implement endpoints to update and retrieve allergens | Should | 1 | Done | Marina Serafeimidi | 30min | 1h |
| 20 | Regional Manager | cancel any of the placed orders. | I can exclude any orders I cannot prepare | Implement endpoint to remove order | Could | 1 | Done | Toma Volentir | 10min | 15min (domain logic already present from issue 6) |
| 23 | Regional Manager | create, edit, and delete toppings on the app | the pizza store has the updated toppings | Create database models | Could | 1 | Done | Jarno Berger | 30min | 30min |
| | | | | Create endpoints to create edit and delete toppings | Could | 1 | Done | Jarno Berger | 30min | 40min |
| 24 | Regional Manager | create, edit, and delete the default pizza's | the pizza store has the updated pizzas | Create model and repository for default pizza | Could | 1 | Done | Jarno Berger | 30min | 30min |
| | | | | Create endpoints to create, edit, and delete the default pizza's (only as a regional manager) | Could | 1 | Done | Jarno Berger | 30min | 20min |
| 31 | Administrator | only allow each customer to use a given coupon code once | they do not get the same discounts multiple times | Implement endpoint that adds coupon to the customer's used list | Could | 1 | Done | Marina Serafeimidi | 35h | 35min |

Our difficulties mostly included setting up the project and the pipeline as well as making sure everybody properly understands how the microservices should work. At the beginning we struggled a bit with creating new microservices and making them and their pipelines work properly, but we quickly got the gist of it and were able to start working on implementing domain logic. What we learned after the first sprint is that it is very important to first properly understand the logic behind what we have to do, so that we don't have unnecessary struggles later for issues which should have been solved far sooner.