

1/13/2022

PROJECT PLAN

belongs to project: Margarita

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Class: S3-CB-01

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Introduction to the problem/assignment

Client

The client is Dian Demirov CEO of the company Margarita, which is a pastry shop in Bulgaria. If needed, the client is accessible via email (demirov_1999@abv.bg).

Developer

The developer of this project is Stoycho Stoychev. He can be reached via email (stoycho.stoychev@student.fontys.nl).

Current situation

The existing company – Margarita has pastry shops in Bulgaria city Varna. Currently, they offer their products only in-store and anyone who is not able to go there cannot check what products the company is offering.

They want to extend their business and their idea is to find a way to show their products online and hopefully to have a webshop, so the customers could receive products without leaving their house.

Problem description

The biggest challenge Margarita's management foresees is keeping track of the number of sold products. They also have difficulties explaining to the customers by phone what they offer and what every product contains.

Project goal

The project goal is to help Margarita create an efficient way for offering and selling their products via webshop. Also, the managers will be able to visit dashboards with information about the sales. These goals will be achieved using IT solutions! In the Backlog, document are located all the user stories which will give you more in-depth information about this project.

Deliverables/

At the end of the project, the developer will deliver:

- A document describing the process of creation (Project plan)
- A document describing the architecture and all important decisions for the software (Design document)
- A document outlining the 10 most critical security concerns for web application security (OWASP Report)
- A document describing how the software will be tested (Test plan)
- User Experience report
- Mockups
- Single page website
- Backend server
- Functionalities such as:
 - Login
 - User information and edit profile
 - A dynamic page for all four product categories
 - Basket for storing/executing the orders
 - Application user (Sales employee) for sending the orders
 - Application user (Manager) for maintaining the products and ability to see different statistics about the sales on the website

Constraints

- Programming language – Java
- Framework – SpringBoot
- Software quality testing via SonarQube

- Programming language – JavaScript
- Library – React
- E2E tests via Cypress

- Code repository – Gitlab

- Important deadlines for the project –
 - Sprint 1
 - Sprint 2
 - Sprint 3
 - Sprint 4
 - Sprint 5

Phasing

Sprint One

Delivery date:	Sep 17, 2021, by 11:59pm
Budget:	54/h
Activities:	
<ul style="list-style-type: none">○ Learn Java and Springboot.○ Make a repository.○ Create backlog.○ Create a project plan.○ Create the application○ Create fake Database○ Create docker container with MySQL in it○ Dependency injection between the two databases○ Basic unit tests	
User stories:	
➤ 0	
Output:	Git repository – https://git.fhict.nl/I467491/pastry-shop-margarita

Sprint Two

Delivery date:	Oct 8, 2021, by 11:59 pm
Budget:	54/h
Activities:	
<ul style="list-style-type: none"> ○ Backend authorization and authentication via JWT tokens ○ C4 Architecture ○ Design document ○ Backend upload and download pictures functionality 	
User stories:	
➤ 0	
Output:	Git repository – https://git.fhict.nl/l467491/pastry-shop-margarita

Sprint Three

Delivery date:	Nov 5, 2021, by 11:59pm
Budget:	54/h
Activities:	
<ul style="list-style-type: none"> ○ Learn JavaScript and React ○ Login functionality ○ Navigation bar ○ Research document ○ Test plan <ul style="list-style-type: none"> ○ Acceptance criteria ○ Unit testing 	
User stories:	
➤ 14	
Output:	Git repository – https://git.fhict.nl/l467491/pastry-shop-margarita

Sprint Four

Delivery date:	Nov 26, 2021, by 11:59pm
Budget:	54/h
Activities:	
<ul style="list-style-type: none"> ○ SonarQube – quality code ○ Backend <ul style="list-style-type: none"> ○ H2 testing repository custom queries ○ Mock testing service layer. ○ Add product with picture backend ○ Frontend <ul style="list-style-type: none"> ○ Fix refresh token functionality ○ grid all products ○ page with products for every category ○ see/change personal information ○ add new product ○ single pages for all products 	
User stories:	
<ul style="list-style-type: none"> ➤ 12 ➤ 10 ➤ 9 ➤ 8 ➤ 7 	
Output:	Git repository – https://git.fhict.nl/l467491/pastry-shop-margarita

Sprint Five

Delivery date:	Dec 17, 2021, by 11:59pm
Budget:	54/h
Activities:	
<ul style="list-style-type: none"> ○ Create an order ○ Cypress end to end testing ○ Dockerize frontend and backend ○ Frontend <ul style="list-style-type: none"> ○ See all new orders ○ Dashboard for the most sold products ○ Dashboard for days with the most order numberss ○ Finish design document ○ OWASP report ○ Test report 	
User stories:	
<ul style="list-style-type: none"> ➤ 6 ➤ 5 ➤ 4 ➤ 3 	
Output:	Git repository – https://git.fhict.nl/l467491/pastry-shop-margarita