



MkTech

PROJECT PLAN

7G wines

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Version control

Version	Date	Changes
0.1	20 february 2023	Initial document version
0.2	8 June 2023	Updates based on last submission

Our client

Our client is 7G Wines, which are a company, that specializes in selling wines and additional treats with them. They run two stores that are free to visit in Veliko Tarnovo and want to open an web application that allows the customers to order online as well.

Their representative is Teodora Nikolova

Contact to the representative via email: NaTeodoraPoshtata@gmail.com

Our team

Our company is “MkTech”. We are a recently created company, that was founded by young software engineers, who are ready to face new challenges and provide their services. The project leader who you can turn to is:

- Mihail Kenarov (mail: m.kenarov@student.fontys.nl)

Current situation

At the moment, “7G wines” have two physical locations, that can be visited by the people who are in Veliko Tarnovo. Their products are being tracked via manually checking and editing Excel sheets. “7G Wines” are working on implementing a delivery system, which will allow them to satisfy the customers that are not able to visit the locations. Currently, the competition is one more company that also do not have a website so this is another one of the reasons that we have been contacted.

Problem description

Currently, “7G wines” do not have an easy way to track their stock, which is why they have requested our help and also the lack of a web application does not allow them to reach more customers, which is something that they have mentioned as a concern.

Problems mentioned by the client:

- Not an efficient way to track the stock;
- No way of them selling more products online;
- The lack of reaching more customers online;

Project goal

The goal of this project is to reach broader audience, while also being able to receive feedback on the products that are offered

Deliverables

- Web application that allows its users to be able to communicate better with the company, while also being able to purchase products.
- Desktop application that helps the company track their stock and employees

Non-deliverables

- We will not deliver post-deployment service. Once we deploy the product, we do not stay accountable for maintaining the product.
- Integrate analytics tools into the web application to track user behavior, site usage, and other relevant metrics.
- Generate periodic reports based on the collected data, providing insights into the application's performance, user engagement, and sales analytics.
- Use the reports to identify areas for improvement, optimize the user experience, and make data-driven business decisions.
- Proactively propose and implement improvements to the application based on user feedback, changing market dynamics, and technological advancements.
- Provide regular updates and patches to address any security vulnerabilities or performance issues that may arise.

Constraints

Our only limitations are:

- Deliver complete solution until the 10th of June.
- We are limited to use .NET and ASP.NET
- Windows Forms for the desktop application and Razor Pages for the web application

Phasing

Week 1:

- Create a name and logo for your company.
- Interview client
- Create project plan.

Week 2:

- Create URS Week 3:
- Improve URS based on feedback.
- Improve project plan based on feedback.
- Submit intermediate version. Week 4:
- Implement software solution Week 5:
- Implement software solution
- Create test plan (workshop)
- Send test plan and binaries to peers
- Review peers and create test report (fill received test plan in).

Week 6:

- Tag software as deliverable in GIT repository
- Present final version to client and peers
- Submit version that is the product of Waterfall phase Week 7:
- Develop login system functionality
- Create database schema for user authentication and authorization

Week 8:

- Implement user registration feature
- Design and develop the "About Us" page

Week 9:

- Build the "Contact Us" page with a form for user inquiries
- Implement validation and error handling for user input

Week 10:

- Develop the shopping cart functionality
- Implement the ability to add and remove products from the cart

Week 11:

- Design and develop the "Wines" page to display available products • Implement filtering and sorting options for the wine products

Week 12:

- Design and develop the "Accessories" page to showcase additional products

Week 13:

- Implement user profile functionality, allowing clients to view and edit their information
- Add security measures to protect user data

Week 14:

- Perform integration testing to ensure all components work together smoothly • Fix any bugs or issues discovered during testing

Week 15:

- Conduct user acceptance testing with a select group of clients
- Gather feedback and make necessary improvements based on user testing results

Week 16:

- Finalize the project documentation, including user manuals and system documentation
- Prepare the project for deployment on a web server
- Submit the final version of the project to the client and peers