

STATEMENT OF WORK FOR THE FIRST ITERATION

Introduction

The "Explore the City" project offers an innovative approach that integrates web and mobile development, transforming the urban exploration experience through a user-friendly platform. This project aims to provide users with a richer experience by not only making it easier to explore cities, but also supporting efficient decision-making processes.

One of the key focuses of the platform is to make it easier for users to explore various attractions in the city by providing personalized content and offers. Powered by real-time updates, this platform constantly keeps users informed about events, venues and opportunities in the city.

The project makes city exploration not just a stroll but a conscious and interactive experience, allowing users to establish a deeper connection with the city. This innovative approach aims to make city exploration more meaningful with an improved user experience and efficient decision-making processes.

The following are the justifications for choosing us:

- Easy for users, and administrators to use
- User feedbacks
- System security
- Simplify urban exploration for residents and visitors.
- Improve decision making by providing real-time information.
- Create a vibrant community to share experiences and advice.

Purpose of the project

The purpose objective of the "Explore the City" project is to revolutionize the way people engage with and navigate urban environments. This initiative is centered around the development of a user-friendly platform that facilitates effortless exploration of city attractions. By incorporating features such as personalized offers, real-time updates, and streamlined information distribution, the project aims to not only provide a seamless and enjoyable experience for users

but also to bring a new dimension to the exploration of cityscapes. Through the integration of these elements, the project envisions shedding light on previously undiscovered facets of the city and fostering a more profound connection between individuals and their urban surroundings. Ultimately, "Explore the City" strives to redefine the paradigm of urban exploration, making it more accessible, personalized, and transformative for all.

Scope of work

Sign-Up

To access all content, you must first sign up. Also while you sign up website need email, name and surname and phone number.

Login system

Only authenticated users can access services. User information will be stored in MsSql. Validations will be made for the client side and server side.

Home Page

Home page will have city cards and search bar. We can see the cities in this page and when we search the city at search bar, we can see only that city.

Services Page

This page will show our services which will be in the application and website. Those will be like cultural places and the cafes in the city which user's search.

About Us

This page will introduce the Explore The City to users and tell the our Purpose.

Contact Page

The user who already sign-up can contact with the admin via the contact page.













User Feedback

The user who already sign-up can give feedback with stars and message at the system.

First Project Demonstration

First demonstration with above requirements will be held on January 20th, 2024, at 1:00 p.m.

Deliverables and schedule

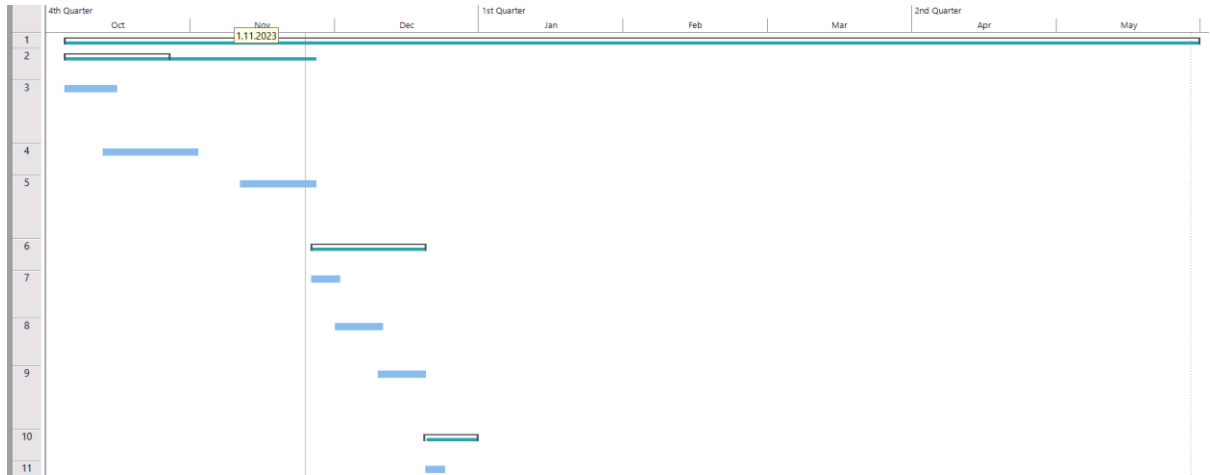
		Task Mode ▾	Task Name ▾	Duration ▾	Start ▾	Finish ▾
1			◀ Explore the City	176 days	Per 5.10.23 8:00 ÖÖ	Per 30.05.24 5:00 ÖS
2			▷ Proposal	16 days	Per 5.10.23 8:00 ÖÖ	Per 26.10.23 5:00 ÖS
6			▷ Design of the Project	24 days	Paz 26.11.23 8:00 ÖÖ	Sal 19.12.23 5:00 ÖS
10			▷ Database System	11 days	Sal 19.12.23 5:00 ÖS	Cmt 30.12.23 5:00 ÖS
14			▷ Create Login Page	7 days	Pzt 1.01.24 8:00 ÖÖ	Paz 7.01.24 5:00 ÖS
17			▷ Create a Sign-up Page	7 days	Paz 7.01.24 8:00 ÖÖ	Cmt 13.01.24 5:00 ÖS
20			▷ Web-Site's Code	30 days	Cum 9.02.24 8:00 ÖÖ	Cmt 9.03.24 5:00 ÖS
24			▷ Mobil Side Code	32 days	Paz 10.03.24 8:00 ÖÖ	Çar 10.04.24 5:00 ÖS
32			▷ Testing	19 days	Çar 24.04.24 8:00 ÖÖ	Paz 12.05.24 5:00 ÖS
36			▷ Debuging and Fixing	11 days	Pzt 13.05.24 5:00 ÖS	Cum 24.05.24 5:00 ÖS
40			▷ Production	7 days	Cum 24.05.24 8:00 ÖÖ	Per 30.05.24 5:00 ÖS

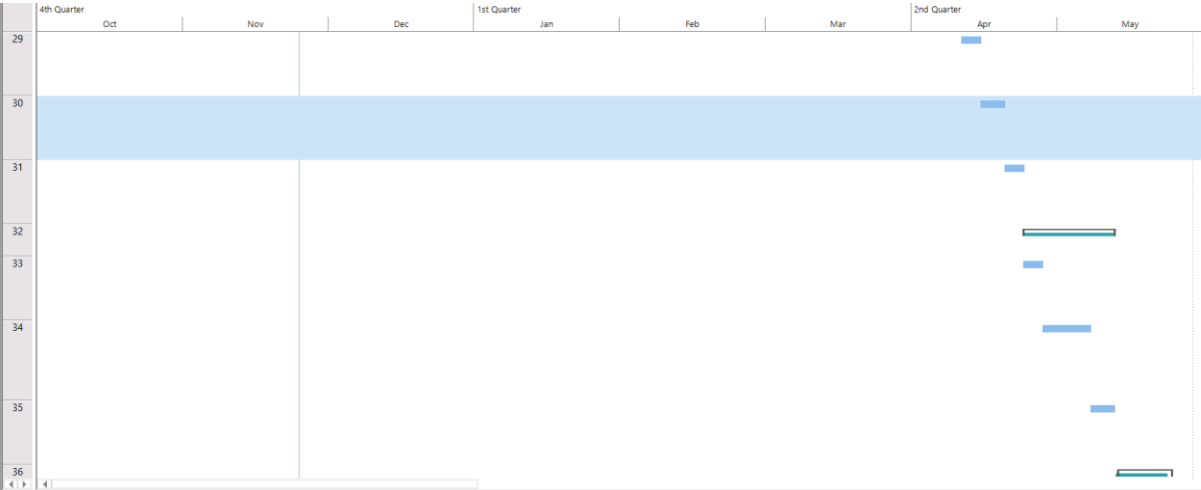
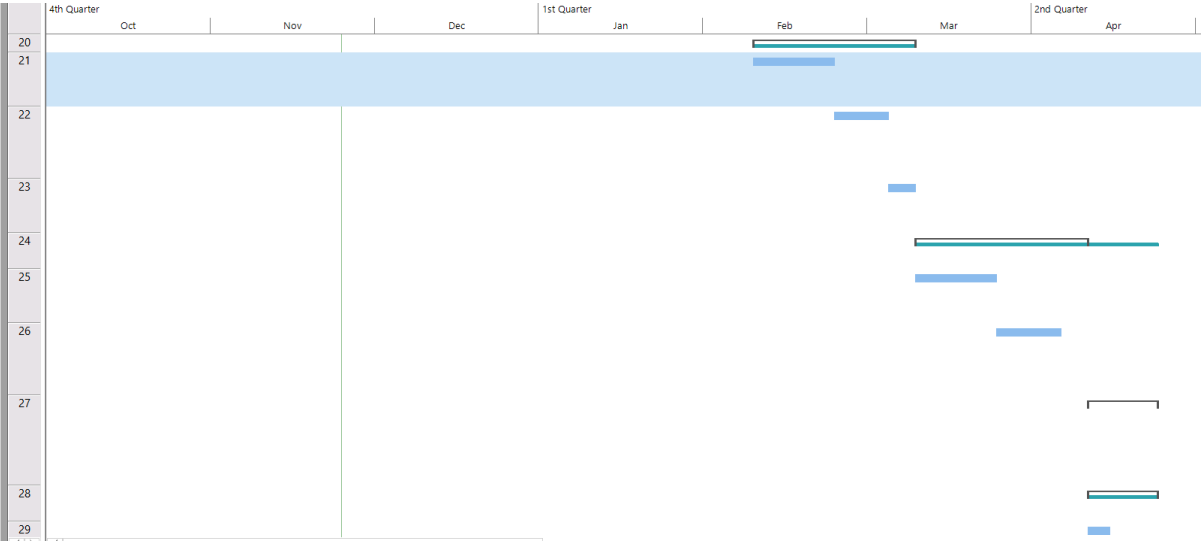
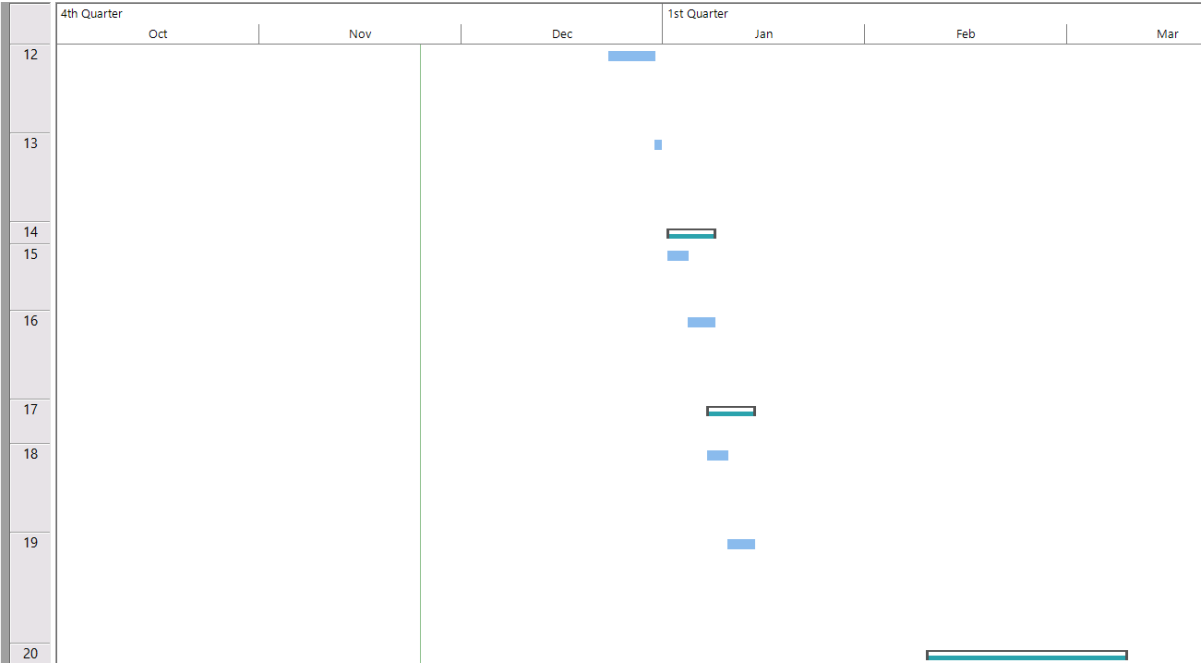
**See Gantt Chart For Details*

Task list

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
Manually Scheduled	Explore the City	176 days	Per 5.10.23 8:00 ÖÖ	Per 30.05.24 5:00 ÖS		
Manually Scheduled	Proposal	16 days	Per 5.10.23 8:00 ÖÖ	Per 26.10.23 5:00 ÖS		
Auto Scheduled	Project proposal.	11 days	Per 5.10.23 8:00 ÖÖ	Paz 15.10.23 5:00 ÖS		
Auto Scheduled	Revised project proposal.	20 days	Cum 13.10.23 8:00 ÖÖ	Çar 1.11.23 5:00 ÖS		
Auto Scheduled	SOW	16 days	Cmt 11.11.23 8:00 ÖÖ	Paz 26.11.23 5:00 ÖS		
Manually Scheduled	Design of the Project	24 days	Paz 26.11.23 8:00 ÖÖ	Sal 19.12.23 5:00 ÖS		
Auto Scheduled	Figma	6 days	Paz 26.11.23 8:00 ÖÖ	Cum 1.12.23 5:00 ÖS		
Auto Scheduled	Html+Css	10 days	Cum 1.12.23 8:00 ÖÖ	Paz 10.12.23 5:00 ÖS		
Auto Scheduled	JavaScript	10 days	Paz 10.12.23 8:00 ÖÖ	Sal 19.12.23 5:00 ÖS		
Manually Scheduled	Database System	11 days	Sal 19.12.23 5:00 ÖS	Cmt 30.12.23 5:00 ÖS		
Auto Scheduled	Design efficient database schema	4 days	Çar 20.12.23 8:00 ÖÖ	Cmt 23.12.23 5:00 ÖS		
Auto Scheduled	Create model for database	7 days	Cmt 23.12.23 8:00 ÖÖ	Cum 29.12.23 5:00 ÖS		
Auto Scheduled	Apply MsSql Connection	1 day	Cmt 30.12.23 8:00 ÖÖ	Cmt 30.12.23 5:00 ÖS		
Manually Scheduled	Create Login Page	7 days	Pzt 1.01.24 8:00 ÖÖ	Paz 7.01.24 5:00 ÖS		
Auto Scheduled	Design of login page	3 days	Pzt 1.01.24 8:00 ÖÖ	Çar 3.01.24 5:00 ÖS		
Auto Scheduled	Coding of login page	4 days	Per 4.01.24 8:00 ÖÖ	Paz 7.01.24 5:00 ÖS		
Manually Scheduled	Create a Sign-up Page	7 days	Paz 7.01.24 8:00 ÖÖ	Cmt 13.01.24 5:00 ÖS		
Auto Scheduled	Design of sign-up page	3 days	Paz 7.01.24 8:00 ÖÖ	Sal 9.01.24 5:00 ÖS		
Auto Scheduled	Coding of Sign-up page	4 days	Çar 10.01.24 8:00 ÖÖ	Cmt 13.01.24 5:00 ÖS		
Manually Scheduled	Web-Site's Code	30 days	Cum 9.02.24 8:00 ÖÖ	Cmt 9.03.24 5:00 ÖS		
Auto Scheduled	Home Page's code	15 days	Cum 9.02.24 8:00 ÖÖ	Cum 23.02.24 5:00 ÖS		
Auto Scheduled	About us, Services's and contact codes.	10 days	Cmt 24.02.24 8:00 ÖÖ	Pzt 4.03.24 5:00 ÖS		
Auto Scheduled	Feedback side's code.	5 days	Sal 5.03.24 8:00 ÖÖ	Cmt 9.03.24 5:00 ÖS		
Manually Scheduled	Mobil Side Code	32 days	Paz 10.03.24 8:00 ÖÖ	Çar 10.04.24 5:00 ÖS		
Auto Scheduled	Home Page's Code	15 days	Paz 10.03.24 8:00 ÖÖ	Paz 24.03.24 5:00 ÖS		
Auto Scheduled	Navbar and next page's code	12 days	Pzt 25.03.24 8:00 ÖÖ	Cum 5.04.24 5:00 ÖS		
Auto Scheduled	Login and sign-up code	13 days	Per 11.04.24 8:00 ÖÖ	Sal 23.04.24 5:00 ÖS		
Manually Scheduled	API	13 days	Per 11.04.24 8:00 ÖÖ	Sal 23.04.24 5:00 ÖS		
Auto Scheduled	Finding the api's.	4 days	Per 11.04.24 8:00 ÖÖ	Paz 14.04.24 5:00 ÖS		
Auto Scheduled	API entegrations to web site.	5 days	Pzt 15.04.24 8:00 ÖÖ	Cum 19.04.24 5:00 ÖS		

Auto Scheduled	API entegrations to mobil.	4 days	Cmt 20.04.24 8:00 ÖÖ	Sal 23.04.24 5:00 ÖS		
Manually Scheduled	Testing	19 days	Çar 24.04.24 8:00 ÖÖ	Paz 12.05.24 5:00 ÖS		
Auto Scheduled	Planing to system testing	4 days	Çar 24.04.24 8:00 ÖÖ	Cmt 27.04.24 5:00 ÖS		
Auto Scheduled	Manuel testing + Unit testing	10 days	Paz 28.04.24 8:00 ÖÖ	Sal 7.05.24 5:00 ÖS		
Auto Scheduled	Report to tests	5 days	Çar 8.05.24 8:00 ÖÖ	Paz 12.05.24 5:00 ÖS		
Manually Scheduled	Debuging and Fixing	11 days	Pzt 13.05.24 5:00 ÖS	Cum 24.05.24 5:00 ÖS		
Auto Scheduled	Debug the website's code	2 days	Pzt 13.05.24 8:00 ÖÖ	Sal 14.05.24 5:00 ÖS		
Auto Scheduled	Debug the mobile's code.	2 days	Çar 15.05.24 8:00 ÖÖ	Per 16.05.24 5:00 ÖS	37	
Auto Scheduled	Fixing the debugs.	7 days	Cum 17.05.24 8:00 ÖÖ	Per 23.05.24 5:00 ÖS	38	
Manually Scheduled	Production	7 days	Cum 24.05.24 8:00 ÖÖ	Per 30.05.24 5:00 ÖS		
Auto Scheduled	Prepare First Production Demonstration	6 days	Cum 24.05.24 8:00 ÖÖ	Çar 29.05.24 5:00 ÖS		
Auto Scheduled	First Production Demonstration Completion	1 day	Çar 29.05.24 8:00 ÖÖ	Çar 29.05.24 5:00 ÖS		
Auto Scheduled	Sharing	0 days	Per 30.05.24 8:00 ÖÖ	Per 30.05.24 8:00 ÖÖ	42	







Applicable standards

We found the International Standards Organization's Standard Number: ISO/IEC 5055:2021 to be the most relevant standard for the work we aim to perform. The standard is globally an important accreditation for software and related industry work. It is narrated as:

“The measures in this standard (ISO/IEC 5055:2021) were calculated from detecting and counting violations of good architectural and coding practices in the source code that could result in unacceptable operational risks or excessive costs. Establishing standards for these measures at the source code level is important because they have been used in outsourcing and system development contracts without having international standards to reference. For instance, the ISO/IEC 25000 series of standards that govern software product quality provide only a small set of measures at the source code level.” (ISO, 2021)

Since it describes the applicability for coding, software processes and quality assurance for the systems that we aim to develop, hence, it can be applicable for our project.

Acceptance criteria

The fact that the system works smoothly, fast and is preferable can be determined as a measure of success.

- To be able to see users' feedback completely.
- To list a few different categories within the cities.

- After signing up to the system, the customer can log in with the email and password he/she is a member of.
- The information of the city appears when the city is searched in the search bar.
- API will be added for information about some cities.

Special requirements

Project environment (IDE, Frameworks & Tools)

- Visual Studio 2022
- Visual Studio Code
- ASP.NET Core MVC
- Html, Css, JavaScript, JQuery, React
- Github for version control
- Bootstrap to design responsive pages
- ASP.NET Core Identity or JavaScript for login, roles, storing user data
- MSSQL to manage data

Economic Effects

There are many differences between our product and other products. First of all, after the completion of the last iteration, the cultural heritage and natural beauties of the cities will come to the fore, and our product will both provide convenience to the users and (in future versions) provide an opportunity for the businesses that use our product to introduce themselves and gain customers.

After this product was released (Last Iteration):

Data Analysis and City Management:

The platform can provide valuable data to the city government by collecting users' preferences and feedback about the city. This data can be used for urban planning and management.

Increased Visibility in Tourism and Local Businesses:

The website and mobile application more effectively promote city attractions, events and local businesses to users. This supports growth in the tourism sector and allows local businesses to expand their customer base.

Personalized Offers and Ads:

The website and mobile application can announce local events and cultural activities in the city to a wider audience.

This supports local artists, cultural events and festivals, increasing the cultural vibrancy in the city.

Technological Innovation and City Brand Strengthening:

Web and mobile developments strengthen the city technologically and strengthen the city brand.

This could also have a positive impact on other sectors in the city, attracting potential investments.

Strengthening the City Image:

A platform that highlights the various beauties and features of the city can strengthen the overall image of the city. This can increase the attractiveness of the city and attract new investments and tourists.

Manufacturability, Productivity and Sustainability

It is unlikely that there will be a problem with manufacturability, efficiency, and sustainability in our project because our project has an open-closed principle. Open-closed principle is open for extension, closed for modification. Thanks to this principle We anticipate that we will not face such problems when we develop our project with scalability in mind.

Ethical, Health and Safety Issues

Web applications should work for everyone who needs support

- Prioritize accessibility

Web applications should work everywhere

- Built responsively

The security and privacy of users should be respected by web applications

- Storing, managing, and sharing user data only when necessary and for the user's required purposes.
- Only admins can have access to data other than passwords
- Securing user data
- Use of https

Diversity in production team

- Distribution of project by equals to everyone.

Social, Legal and Political Effects

Social

- We improve our project with user's feedbacks.
- Enhance the tourist experience

Legal

- Deficient Privacy Policies
- Domain Name Issues (Not necessary for the first iteration)
- Missing or Inadequate Website Content