



BIZZQR - PRESENTATION

(Group 15) 7/27/2023

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WEB URL

[BIZZ QR \(kfrancis2018.github.io\)](https://kfrancis2018.github.io)

Finished Features

BIZZ QR - Major Committed Functions

1. vCard – Users can create a vCard will be encoded into a QR code that, once scanned, will add the saved information to the scanner's phone as a contact.
2. Location – Users can create a QR code that, when scanned, will use Google Maps to locate the information encoded in the QR code.
3. Call – Users can create a QR code with a phone number encoded that, when scanned, will immediately call the number.
4. Message - Users can create a QR code that, when scanned, opens the scanner's messaging app, and creates an SMS with a prefilled message.
5. Text – Users can create a QR code that contains a block of text that, when scanned, can be viewed by the scanner.
6. Website - Users can create a QR code that, when scanned, navigates the default browser to the specified URL.
7. Edit: Then data saved in the database can be edited , changing all or some of the information saved in that object.
8. Viewing: Users can view the information saved encoded into a qr code. This qr code can then be scanned or downloaded to be shared if the user desires. If the option is a vCard then the user has the option to download the .vcf file.
9. Sign up and Login: users can login and signup to create and save the QR codes of their choice.

PURPOSE | MOTIVATION

- In response to the thriving e-commerce industry and the rapid increase in startups, BIZZQR was born with a clear purpose - to cater to the growing demand for efficient and user-friendly marketing tools. Our mission is to revolutionize the way businesses operate, offering a specific niche solution with heightened customizability and unparalleled reliability.
- **Simplicity & Ease:** Our platform is designed to make creating QR codes an effortless and straightforward process, ensuring businesses can seamlessly integrate them into their marketing strategies.
- **Interactive Engagement:** BIZZQR codes go beyond static links, offering interactive experiences that captivate and engage audiences, fostering stronger connections between businesses and customers.
- **Heightened Customizability:** We provide extensive customization options, allowing businesses to personalize their QR codes with their branding, colors, and design, making them an extension of their unique identity.
- **Reliability & Trust:** Businesses can rely on BIZZQR for robust and reliable QR code solutions that work flawlessly across various devices and scenarios, building trust with their audience.

TARGET AUDIENCE

- Small businesses and startups often have limited marketing budgets and resources. BIZZQR's simplistic smart QR codes can provide them with a cost-effective and efficient way to share essential information, such as contact details, website URLs, or promotional offers, with their customers.
- Event Organizers: Events often require sharing various types of information, including schedules, maps, and contact details. QR BIZZ's QR codes can be used to create dynamic links that lead to updated information, making it easier for event organizers to keep attendees informed about any last-minute changes or additions.
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- Social Media Influencers and Content Creators: QR BIZZ's QR codes can be used to direct audiences to social media profiles, YouTube channels, or specific content pages. Social media influencers and content creators can include these QR codes in their videos, posts, or printed materials, enabling their followers to access their online presence and stay connected with them more easily.
- Restaurants and Cafes: QR BIZZ's QR codes can be placed on tables or menus, allowing customers to access digital menus, promotions, or loyalty programs. This contactless approach has become more popular, especially in the post-COVID-19 era, as it reduces physical contact and enhances the dining experience for patrons.

SYSTEM IMPLEMENTATION



LANGUAGES:
HTML, JAVASCRIPT, CSS



API:
Google map,
Google Charts



DATABASE:
Firebase Database



PLATFORM
Mobile and Desktop Compatible

FEATURES THAT WOULD TO BE ADDED IN FUTURE



As we strive to continually improve our platform, one highly-requested feature is "Multi-Language Compatibility" based on the user's IP address. This innovative addition aims to elevate the user experience by automatically presenting content in the user's preferred language. This hasn't been achieved because of short time constraints and not having an initial plan to implement it.



We are excited to introduce a groundbreaking feature: "Physical Interactive Cards" - a new way to market and share information seamlessly. This innovative addition enables customers to order personalized physical cards with their marketing details, providing an interactive experience for recipients without the need for a camera to scan a QR code. This hasn't been achieved due to the lack of resources available. To achieve this feature successfully and reliably the team would need to invest in physical cards made for this technology then test.

MAJOR Functional REQUIREMENTS



USABILITY

The system will be able to be used by anyone with basic understanding of computers; this is done through minimal nested menus, large, clear buttons and prompts that allow users to produce the type of QR code they desire



USER EXPERIENCE

Bizz QR should have a storage system to save and organize generated QR codes



SECURITY

A email and password will be required to enable the save information used to generate the users QR codes. The password will have a minimum length of 6 characters.

SYSTEM ILLUSTRATION



INPUT QR
DATA



QR CREATION | TYPES



IMMEDIATE QR CREATION

BIZZ QR Dashboard Sign Out

Edit Vcard

QR name:

First Name:

Last Name:

Organization:

Title:


BIZZ QR Dashboard Sign Out

Pick a QR type

Vcard <small>Create an e-businesscard</small>	Website <small>Add a link to a website</small>
Location <small>Add a location</small>	Text <small>Create a block of text</small>
Call <small>Create a phone call</small>	Message <small>Create a sms message</small>

BIZZ QR Dashboard / Home

Ces Test



[Download Vcard](#) [Download QR](#)

NON-FUNCTIONAL SPECS

01 RESPONSIVENESS

The website will be performant on a wide range of devices. Website elements will dynamically scale to fit both screen size aspect ratio and resolutions.



02 RESPONSE TIME

The website shall load and update with new information between 100-500 milliseconds and be able to update the database and change website elements within 500 milliseconds



03 RELIABILITY

Our System: Ensuring Uninterrupted Availability, Even During Database Failures or Slowdowns



04

SCREEN REFRESH TIME

System takes no more than 100 milliseconds to load the home page of the website provided there is adequate bandwidth on the user end



05

EXECUTION SPEED

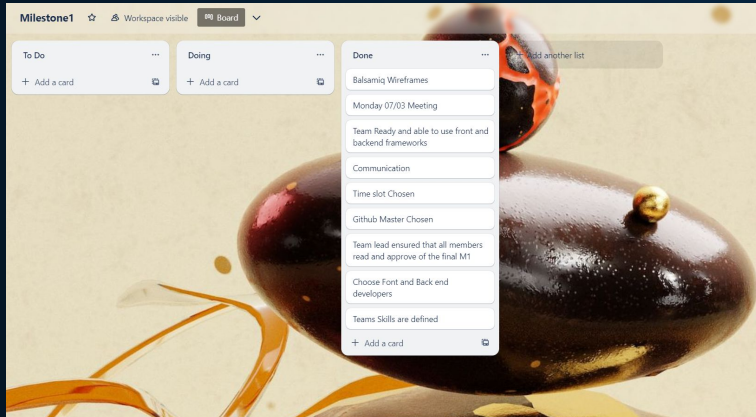
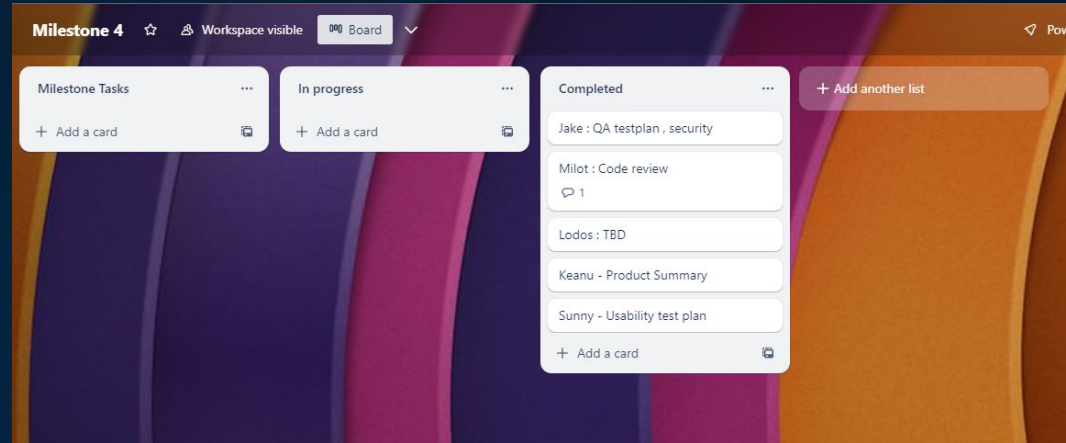
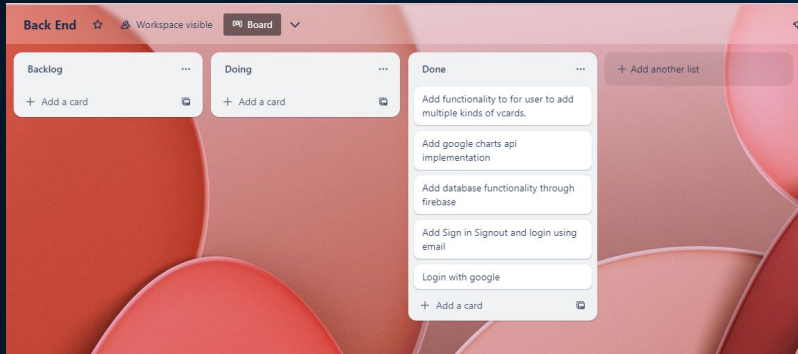
Executions speed Done: The system shall generate and deploy a QR code no less than 3 seconds after execution.

KNOWLEDGE GAINED

The knowledge gained from the Bizz QR project includes:

- Use of Firebase Database and Authentication
- Teamwork Management
- Javascript, Html, CSS
- Scheduling
- Async function execution
- QR code encoding

Trello Backlogs examples



Contribution

Name	Role	Email
Jacob Kahn	Team Leader, Product Owner, Front End Developer	jacobkahn1996@gmail.com
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THANKS!

Does anyone have any question?



CREDITS

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- Keanu Francis
- Temel Durak
- Sunny Chen
- Jacob Kahn