

Discover Portsmouth Virtual Tour

Joshua Piper and David Styskal Sponsors: Erin Bell, Eleanor Harrison-Buck, Collette Powers



Background of Project

- The Living Bridge Project is an ongoing project since its reconstruction in 2012.
- The sensors and instrumentation on the bridge provides a valuable learning platform for researchers, engineers, and the community.
- Bridge information is brought to a mobile platform.
- Integrate the Discover Portsmouth Visitor
 Center as a self-tour option to expand the application offerings.

Welcome to the Portsmouth Living App Click a button below to get started LIVING BRIDGE STRAWBERRY BANK PORTSMOUTH ABOUT PROJECT

The contributions of women to history and cultural change have often been ignored or omitted. Yet women have never been silent. Despite the portrayal of women as submissive and passive, women have always been dynamic drivers of culture. This history can be found all around us - including here in Portsmouth! Women played prominent roles in business and in the community, despite overcoming the many barriers that constrained women at the time. Let's look at three examples of women in business during the 19th and 20th centuries.

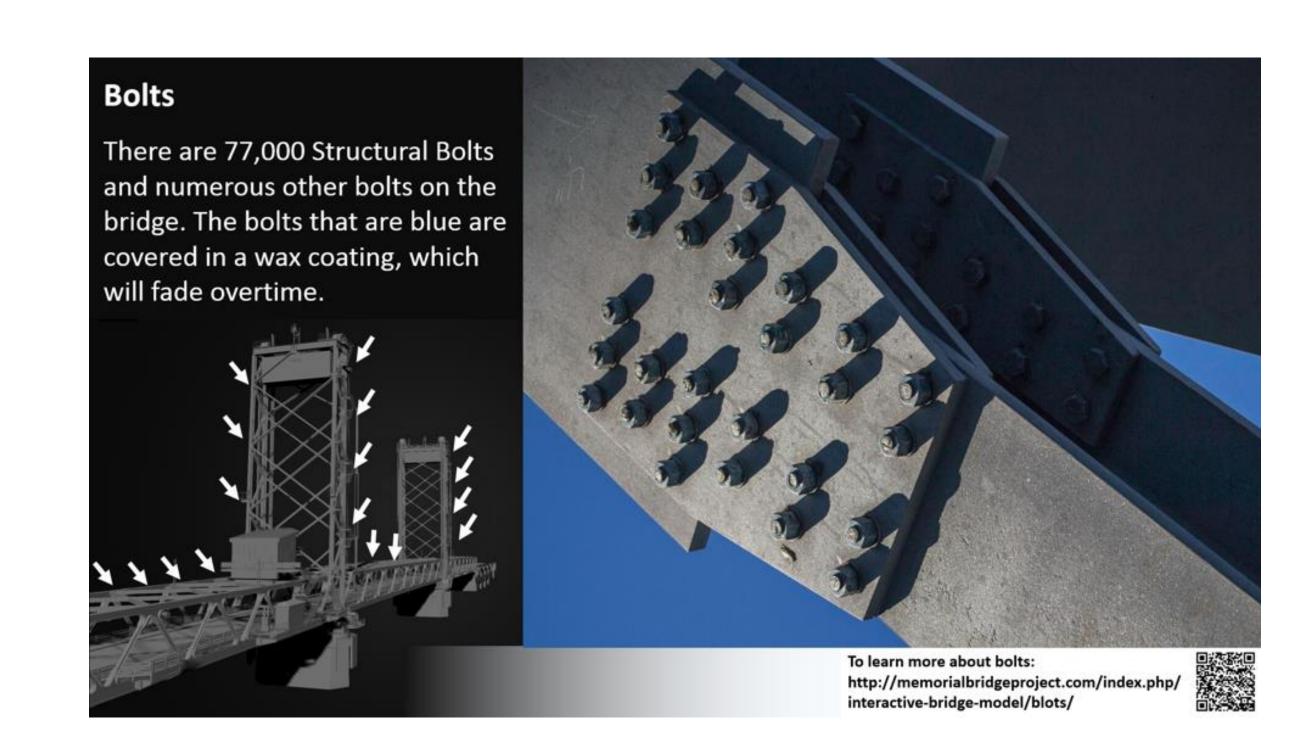


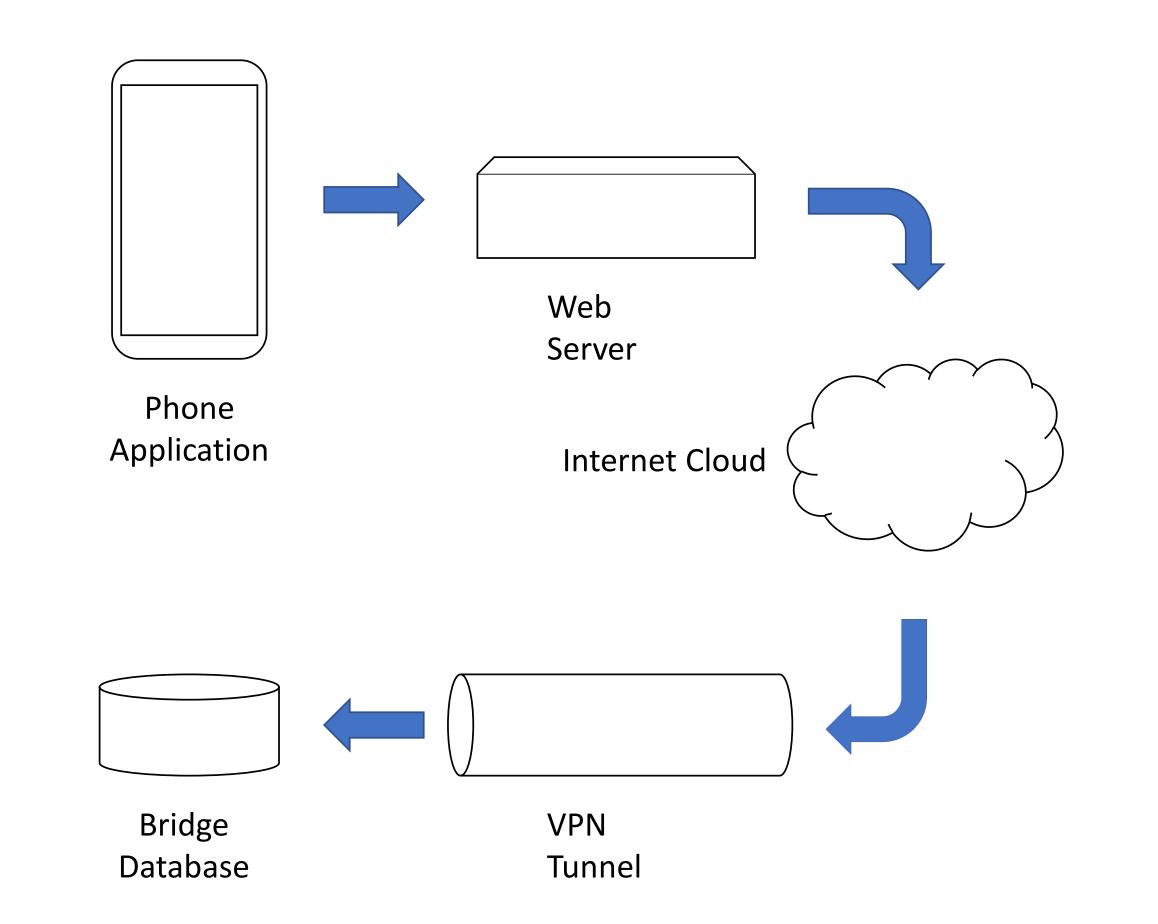
Android Development – Choices & Considerations

- Android platform selected for proof of concept for project.
- Core functions selected to be in-line with the website.
- Additional community engagement with Strawbery Banke and providing historical information.
- Uses QR codes on the Living Bridge and Strawbery Banke – both portraying information on a specific aspect of the design/history.

Project Goals

- Increase awareness of the living bridge project to the general public.
- Develop an application that makes bridge information and data more accessible.
- Create virtual tour experience for students, the community, and visitors in the Strawbery Banke.
- Design and implement application considering performance and future maintenance.
- Provide a user-friendly design and UX.





Future Enhancements and Implementations

- Integration with websites/iOS devices
- Notifications of locations to Living Bridge/Strawbery Banke QR Codes.
- Implementation of data retrieval from the Living Bridge sensors array.
- Promote use of the application through visitor center and local businesses.



