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a technology demonstration to deliver a minimal cost website for a public house that allows the end user to mnake simple updates to content in real time and for patrons to request reservations

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Proposal

It is proposed to prototype and deliver a proof-of-concept website for The Ship Inn public house in St Thomas

With cost being a major factor, a minimal viable product has been produced that displays a number of content pages that are partially modifiable by the licensee using a google sheets backend

Content Summary

Location	Content	Cost
Home		
Food>Menu		
Food>Bookings		
Events>Live Entertainment		
Events>Live Sports		
About>Contact Us		
About>Find Us		
About> Facebook		

Components

Element	Description	Cost
DNS Name		
Static Hosting		
Backend Data		
Booking Data		
Email Service		

The site as is currently built uses free Google Sheets and Google Mail services in order to update data for the site and for bookings - with each user request dynamically re-building the page with the most up to date information each time a person loads a page; this may suite for even live usage for low traffic but should the site become a key part of busoiness operations, a new set of technology components would likely be required so that the site can act in a performant manner (so it loas quickyl)

The element that could be the "critical bottleneck" would be

1. the pages re-building dynamically pulling source data directly from sheets to build the live page
2. multiple concurrent users loading and navigating would normally require either "near live" updates or scaling of the components so that they can deliver quickly and update in the background

The current version available to deploy would be a good platform to monitor and test to see what engagement patterns appear and what facilities could encourage investment

Benefits to the system could be

- a single space to direct users for updates to live entertainment
- a real-time availability/cost listing for restaurant
- a live self-reservation system that (currently blindly) allows users to select a date, time and other details and submit them into a google spreadsheet that can be used for resource planning

Longer term, the dynamically updating menu and online bookings would be cost beneficial to the business, especially for holiday periods or for Sunday bookings