

Team H

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Course:

Software Project Engineering

Title:

Online table availability for restaurants

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## ABSTRACT

As the world continues to revolve around its digital age, it is essential to provide a perfect customer experience for the development of most hospitality management industries. Ideally, online table availability management is one of the most vital aspect of experience in hospitality industries today.

Most times, the classical table reservation often fails to meet the needs of vulnerable customer's real-time information. However, this report explores the implementation of online table availability for restaurant's customers which gives customers access to view available tables, make instant booking and receive updates. Additionally, the system will help to reduce customer wait time as it will be use to enhance the operational efficiency of restaurants and improve overall customer satisfaction. Also, the system can be used to gather valuable data from customers such as feedback and reviews which aid at enhancing hospitality management and customer experience. This report also maps out some difficulties which may occur during the adoption of the system such as technical issues ,poor connection security and privacy. The project advocates for the wide use of online table reservations to remain competitive in this digital age.

## INTRODUCTION

In today's era, one of the most crucial aspect of any industry is meeting its customer satisfaction. It is important to note that innovation advancement helps to improve customer satisfaction. Therefore the integration of online table availability for restaurants will aid at improving clients satisfaction in hospitality industries. Through this system, customers can effortlessly check, view available tables and make reservations from the comfort their homes. Also, this reservation process does not only benefit customers, it can help hospitality management to manage and control Customer flow which aims at reducing wait time and improve customer satisfaction. it also gives restaurants ranges of opportunities and benefits that suits its operations. Such benefits includes, real-time tracking, reduces excessive daily calls from customer, disappointments and scheduling staffs. Adopting to this system has become crucial for most hospitalities to meet customer demand and remain competitive as most customers seek seamless experience. Additionally, this project approach will be based on transforming how restaurants operate which will lead to more sophisticated dining experiences. Basically, this is a group project and will be carried out by collective effort from different individuals with different skills. However this approach will be achieved by applying agile methodology, regular meeting and proper documentation.

Basically, online table availability for restaurants is quite a challenging project but the team believe in working together and open communication to achieve a specific goal.

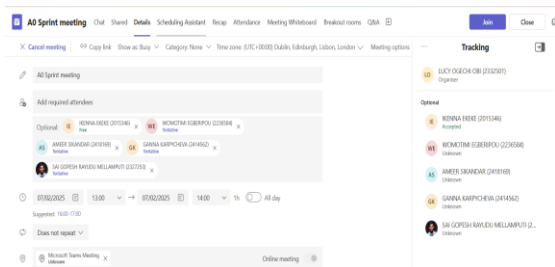
## SPRINT OVERVIEW

### A0 SPRINT OVERVIEW REPORT FOR ONLINE RESTURANT TABLE RESERVATION

On 7<sup>th</sup> February 2025, the team had a meeting with the scrum master Ikenna. The team members that were present were Lucy Ogechi, Womotimi, Ameer, Ganna and Sai Bhargav. During the meeting, the team listed the product backlog for the software according to priority which is as follow.

- Homepage
- Table Reservations
- Admin Dashboard
- Notification
- Payment Gateway

Find images below for the A0 sprint meeting.



We started working on the first product back log on the 10<sup>th</sup> February which was designing the home page. The sprint backlog we drafted for these are

- Designing the logo
- Navigation Bar
- Table Availability
- Reviews
- Frequently Asked Questions (FAQ)
- Enquiry form
- Sourcing pictures for the website

The tasks for this AO sprint was shared among the team members as follows.

Lucy Ogechi – Report writing

Womotimi Egberipou – Github management

Ganna Karpycheva – Setting up and structuring the home page

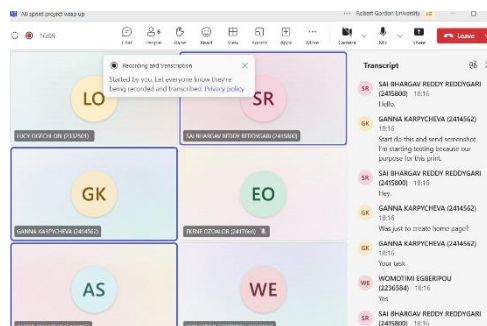
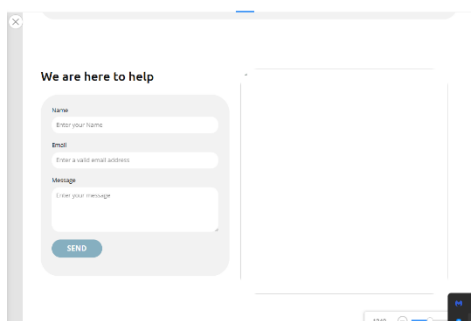
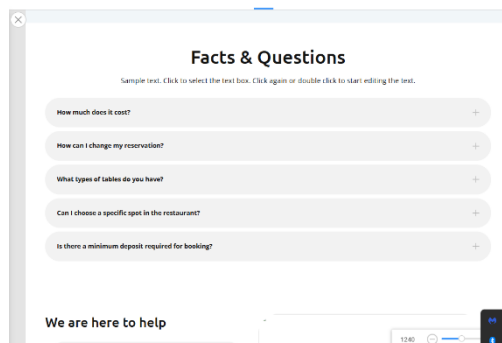
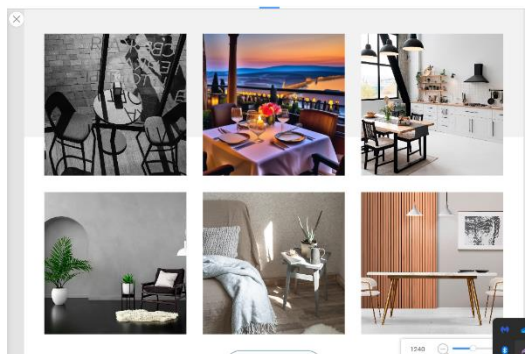
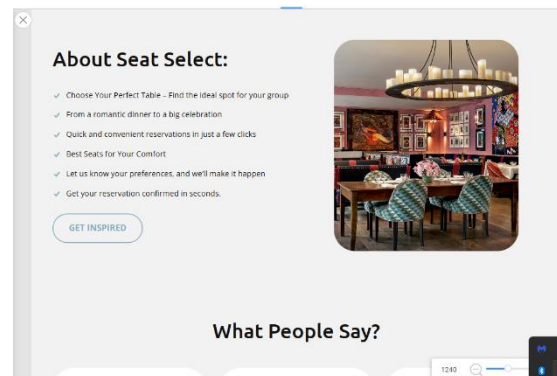
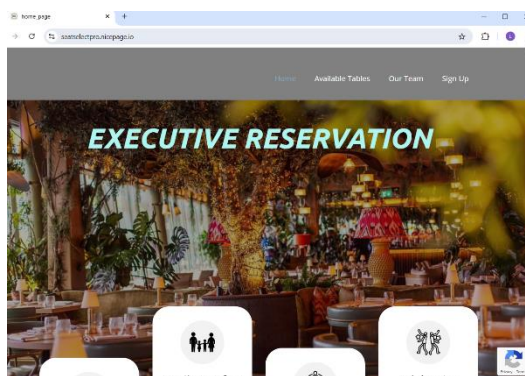
Sai Bhargav – Tracker Management

Ameer Sikandar – Logo Designs

The Homepage of the website was built using nicepage web builder and images were sourced from open access materials online. Later during the development cycle, Ekene Ozoalor joined the team and was assigned to assist Lucy and Womotimi in the report writing and Github management respectively.

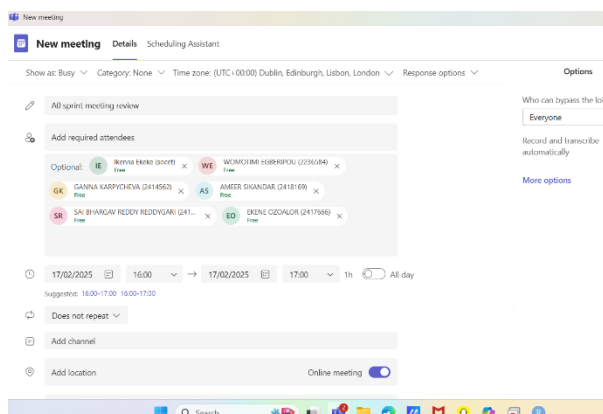
On the 16<sup>th</sup> Feburary we had our sprint meeting where we had a review of what we have done so far, what each team member is working on and if there are any changes we need to implement.

Find images below for homepage layout.



We had our second Scrum meeting with Mr Ikenna on the 17<sup>th</sup> Feb. The meeting started by 4:24pm. During the meeting we updated him on the progress we had done on the product and sprint backlog. We also did a minor demo presentation to show the progress we have made on software. He advised us on how to go about our A0 demo presentation which we decided would hold on 18<sup>th</sup> February, the meeting ended by 5:00pm. After the meeting, each team member continued working on their assigned task making sure we complete our A0 sprint backlog before the deadline.

The image below shows the A0 sprint meeting Review.



The progress of the project was tracked using Excel and codes were pushed on Github for team review and collaboration. The team faced a lot of challenges trying to accomplish this but with team work, communication and collaboration we were able to achieve our desired outcome.

Find images below for project tracking and Github.

