

Freespace mobile-ready web app: Scope of deliverables and proposal

Short Summary

Name of software developer: Harikrishna Natrajan (hari@tech101.in, <https://www.tech101.in>)

Name of client: Workplace Fabric (<https://www.workplacefabric.com/>)

Nature of project: Mobile ready (responsive) web application named Freespace

Synopsis of project:

Freespace web app enables corporate executives to look for spaces to rent in their city for the purpose of meetings and sprints. The web app is built to complement Freespace's already successful rental service. The web server and the APIs will be provided by the client themselves.

What will be delivered by the software developer

Here are the responsibilities of the software developer.

Splash screen

The splash screen displays the product and company logos and copyright information. Besides, as per GDPR, it will also display the message about the use of cookies on the web app. See the Login module to know why cookies are required for this web app.

User Registration

The registration page is used by an executive to create a profile in the Freespace system. This profile identifies, authenticates and authorises the executives.

Here is what will be delivered.

- Input fields and validation
- Call to the server to start a registration
- Display error messages from the server
- A success page that prompts the user to check his/her email address for confirmation

Password generation

This module allows a registered user to set his/her password after having confirmed his/her registration through a confirmation link on email.

Here's what will be delivered.

- Input fields and validation
- Call to the server to save the password
- Display error messages from the server

- Redirect the user to login page

Login

This module allows an executive to sign in to the system before he/she can look for rentable spaces.

Here's what will be delivered

- Input fields and validation
- Call to the server to authenticate the user
- Display error messages from the server
- Redirect the user to the home page (room availability)
- Use of cookies / local storage so that a signed in user can be tracked to a particular browser and that browser will be able to use Freespace services as an authenticated user.
NB: Without cookies, the server will be unable to know that requests for queries for room availability are coming from a specific user and hence that user will be treated as unauthenticated. Disabling cookies will prevent the user from being able to access room availability and his/her profile.

Room availability

This module is used by an authenticated user to browse through nearby buildings and their floors / levels to see the different types of rooms available and how many of them are available.

Here's what will be covered.

- Three nearby buildings
- Driving directions to the three buildings
- List of floors / levels in a chosen building
- List of rentable space types on a building floor / level and the numbers of each available for rent
- Consideration of dexterity when showing the list of floors and list of rentable spaces. The list of floors will be shown closer to the hand which is more dextrous.

Floor plan

This module allows an authenticated user to see a map of a floor / level of a building. The map shows the contours of the floor, with rooms, hallways, passages and entries / exits. Rentable spaces are marked by coloured dots, green for a space available for rent and grey for a space already rented out. The user can filter the dots he sees, i.e. he can choose to see only certain types of spaces and not others, e.g. show only private pods and not conference halls.

Here's what will be covered.

- Full screen floor map diagram
- Coloured dots, green to represent spaces available for rent and grey to represent spaces already rented out
- Filter which dots to see based on types of rentable spaces

Live automatic updates of space status

The room availability and floor plan module will be kept updated live as spaces are occupied or vacated. The user does not have to keep refreshing the page to see the latest status.

Here's what will be covered.

- On the room availability page, number of available rooms will be increased or decreased on the fly as rooms are occupied or vacated.
- On the floor plan page, the dots will go green to grey or vice versa on the fly as rooms are occupied or vacated.

User profile

An authenticated user uses this module to change details on his/her profile.

Here's what will be covered.

- Change of full name, phone number, dexterity and location
- DP upload

Not covered: Change of *email address*. Email address is used as the user's credential. So changing that is not allowed.

Proposal

The above deliverables will be delivered for a tariff of ₹ 80,000/-. Once the client agrees to the proposal to work with the software developer at the mentioned tariff, an advance of ₹ 10,000/- is to be paid before the start of work. The remaining ₹ 70,000/- is to be paid during the time of final delivery.

Total tariff	₹ 80, 000
Advance	₹ 10, 000
To paid at final delivery	₹ 70, 000

Terms and conditions

- Work on the deliverables will begin once this proposal is agreed upon and the advance paid.
- The final date of delivery will be ONE WEEK AFTER the client has made their end ready. The things they need to get ready for the developer are:
 - Server API
 - Logo images
 - Specific images, colour codes and fonts that the clients want used in the web pages.
 - Access code, if any, for the developer to access the server API
- The developer is open to deliver the work in any form as required by the client. E.g. the developer is ready to give the source code to the client for upload on their servers. If the client wants, the developer is ready to upload all the code to the client's server himself.
- Before delivery, all the code will be on a *development server that belongs to the developer*. Hosting on this server WILL NOT be charged. The client can access the web pages from this server. Only during final delivery will the developer provide the means for the client to upload the code on their server.
- If the client makes any changes to the requirements or to their own API during the final week of the agreed delivery, then the delivery date will be extended by one more week.
- Changes to logo or branding images can be done as many times as the client pleases and that change is not chargeable.
- Once the requirements are frozen, the client can suggest the following changes free of extra cost.
 - Addition of at most TWO *simple* text-based fields to any of the forms, such as text field, date picker, country/city picker, radio buttons, checkboxes, etc. However, addition of complicated input and display such as voice commands, charts and diagrams, etc will be separately chargeable. Likewise the addition of three or more fields is chargeable.
 - Addition of ONE more screen with simple text-based input and output. However, a new screen with complicated input such as voice control or a complex output such as a chart will be chargeable.

Other references

This scope and proposal document complements and is based on a more technical and exhaustive documentation of the web app made on this URL:

<http://wiki.tech101.in/doku.php?id=workplace-fabric>

Please refer to that document for a thorough documentation of the web app's plan.

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Place: Mumbai, India
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