

Efficient User Interface on Mobile of Up to 5 Page Website

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Abstract:- There are many websites and many ways to access the information on those websites. During study of finding a better way to access information in efficient manner on mobile devices I have come up with a solution that has menu displayed in efficient way such that user find it easy to know and find information on mobile.

Keywords:- Mobile UI, User Interface on Mobile, Efficient UI for up to 5 Webpages.

I. INTRODUCTION

Today, accessing information on mobile has become general and not a matter of rich accessing information through costly devices. As prices of mobiles have gone towards south there has been increase in usage of mobile phone. Information, referring to menu, is presented in style called hamburger menu. Though this method of presentation of menu is not compulsory to follow but is used majorly for even website with 5 pages of content. We here recommend better way of having menu user interface of website with up to 5 webpages. User interface that proves to be more efficient to not only know what all pages are present but also to access the pages. Solution also gives organizations to present more content with more space conveniently.

II. EASE OF USE AND MORE CONTENT SPACE

A. Reduction in number of taps on mobile to access information

Website up to 5 pages have menu called hamburger that user should tap on to see the pages offered by the website and then click on the page hyperlink or handler. This means 2 user input and space allocation generally on top of web page to place the hamburger menu.

B. Space allocation to content

Space allocation generally on top of web page to hamburger can be used effectively to present information as this space would now be free, if recommended method is used.

III. EFFICIENT USER INTERFACE ON MOBILE FOR UP TO 5 WEBPAGES

Solution that is presented here is to have left and right corners of mobile interface be used effectively and efficiently. Web pages such as HOME, ABOUT US, SERVICES, PRODUCTS, CONTACT US can all be placed in vertical direction at corners of the screen.

Having to display the pages directly on screen without hiding them gives user better experience of knowing what all is offered on the website. It would also give more space at top of the screen that is generally occupied by logo of the organization and hamburger menu.

C. Abbreviations and Acronyms UI.

User Interface (UI) – User interface refers to what users see. Here, here it is particularly referred to mobile UI for websites up to 5 pages.

D. Units

- Taps – A user (Human) action from fingers to press and release touch on mobile screen in order to do action.
- Pixels – Number of pixels or space available to present content on web pages.

IV. PRACTICE USAGE

When put into practice it can be observed that yes, this recommended method of user interface of menu for web pages up to 5 is more efficient than other ways of presenting menu.

Some of the ways to present menu exist that are:

- Infographics – using this method a graphic representing the page is put up on top or as bottom of the mobile screen such that user can navigate to those pages by tapping on them. Content is placed in middle of it.
- Horizontal Text Menu – On top of the web page horizontal text menu is shown to user to navigate to that page.
- Hamburger Menu – In image or graphics or handler is shown in top right or left for user to open menu and then click on it to navigate to that page.
- Vertical Side Corner Menu (Recommended as in this document by me) – Text menu as hyperlink is shown in vertical style at corner of the screen on both right side and left side without occupying much space on screen.

Below are screen shots of methods stated above showing how they look on screen of mobile when accessed.

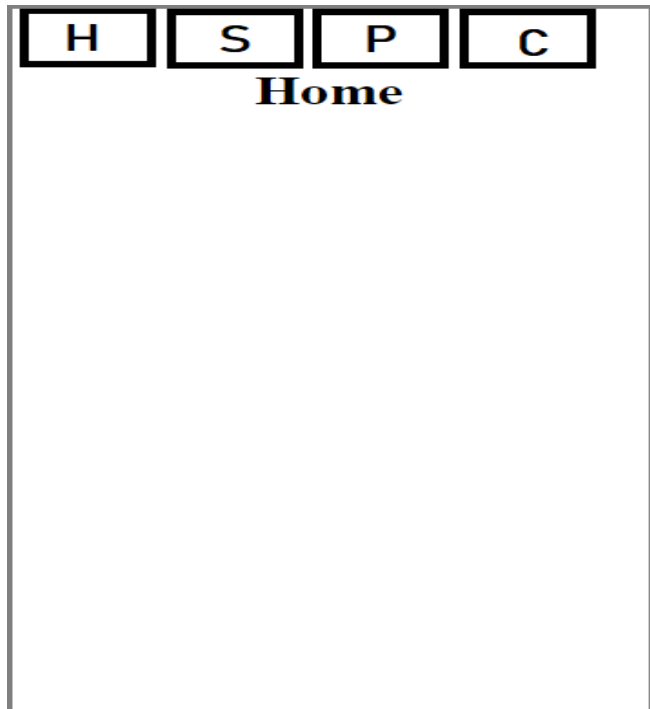


Fig 1:- Infographics based menu

First Infographics based menu is shown below. Consideration is that it is less understood and takes more space. Limited number of infographics can be shown. Single tap would be sufficient to take the user to the desired page offered on the website.



Fig 2:- Hamburger on top right

Above is screen shot of the website <http://it.nandyavart.in> that has burger menu implemented for its mobile and desktop website. Point to be noted is that it requires 2 taps to get to a page shown in menu.

1 tap to go to menu and another tap to finally navigate to page required.



Fig 3:- Horizontal text menu

Above is the menu that takes more of horizontal space and can only have limited menu items.

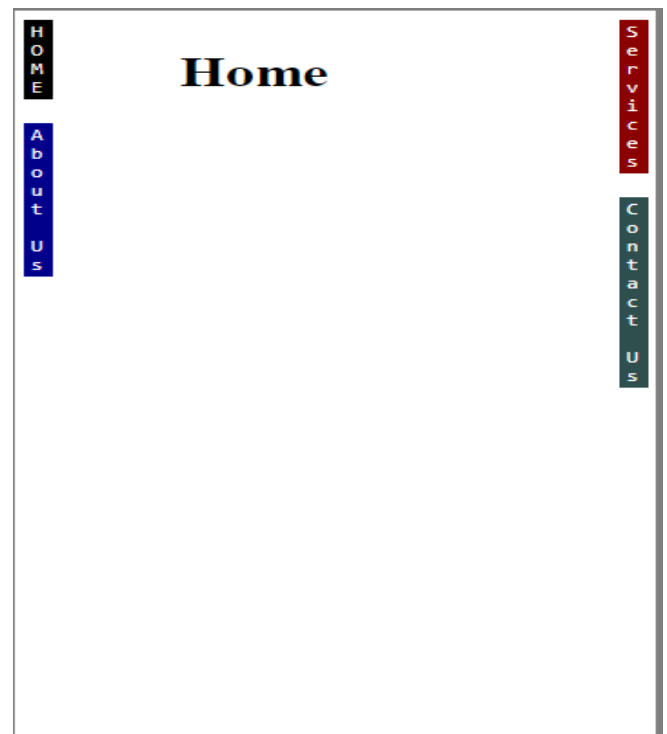


Fig 4:- Vertical Side Corner Menu (Recommended)

Above is screen shot of practical implementation of vertical side corner menu. Benefits as noted are that it makes top screen space pixels available for content to be displayed. Both sides left and right corners that are mostly used for spacing, padding can now be used effectively. Figures and Tables for comparison.

V. STATISTICS

Total taps required with Hamburger menu method of information presentation is 2 to get to another webpage. Through the recommended method this can be done in 1 tap.

Use “(1)”, taps to get to another page using Hamburger Menu.

Use “(2)”, taps to get to another page using recommended method in this document.

Unit	Taps using hamburger	Taps using recommended method as in this document	Efficiency Improved In percentage
Taps	2	1	50%

Table 1:- Table Type Styles

VI. CONSULUSION

It is learnt and well stated that Vertical Side Corner Menu (Recommended) is more efficient way of presenting menu in particularly for websites with up to 5 webpages. It is further useful in giving more space to text starting from top of screen.

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REFERENCES

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