



Power Platform

COMMUNITY CONFERENCE

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MGM GRAND • *Las Vegas, NV*



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Power Pages m(AI)keover : Supercharging Your Website with Bootstrap 5 and Copilot

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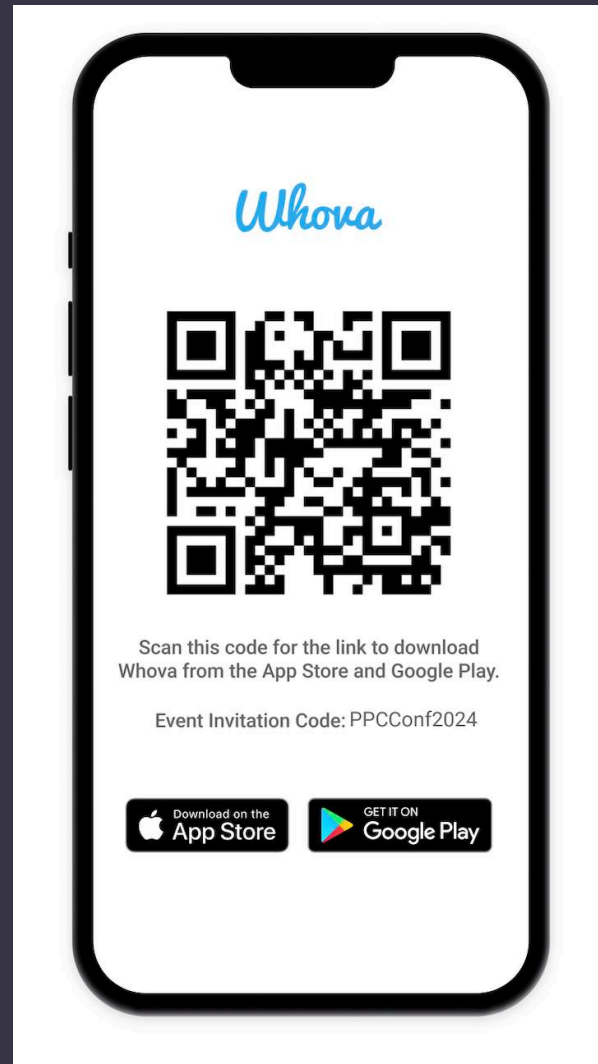
Power Pages Top Gun: Boost Your Site Development Skills and Become a ProPilot

#PPCC24

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Code:
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CHAOS

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MANIFEST

Introduction & best of Bootstrap 5
Generating layouts from screenshots
Extending out-of-the box components
Mobile optimisation

MISSION DOCUMENTS



<https://www.fromzerotoheroes.com/propilots>

INTRODUCTION

Why's Bootstrap 5 a big deal?

WHAT'S NEW?

- Bootstrap 5.2 docs:
- [Get started with Bootstrap · Bootstrap v5.2 \(getbootstrap.com\)](#)

Examples of responsive behaviour on Bootstrap's page

GENERATING LAYOUTS FROM MOCKUPS / SCREENSHOTS

Chat GPT / Edge Copilot

WHY DO THIS?

- Doesn't have to be a screenshot of a real site...Could be equally be:
- A mockup
- A midjourney imagining
- An iOS / Android / Windows

THE PROMPT – IT'S A LONG ONE

- Analyse the attached screenshots and suggest HTML to **recreate the layout using Bootstrap 5.2**. The screenshots show how the layout should adapt at low vs high resolutions
- Please **use FontAwesome for any icons**
- Make sure the hero section has sufficient padding and decorate with either an abstract image from an online placeholder image service, or with a vibrant CSS gradient.
- Use an equivalent web font from Google fonts.
- Create a stylesheet for the bootstrap code you generated, to mimic the colour scheme and styles and visual hierarchy from the screenshots.

For any shadows, use Bootstrap's shadow classes.

For the navbar's toggle behaviour, use a dark offcanvas right and remember to include a hamburger icon ion to toggle this on and off

- For any img tags in the markup, use placeholder images from <https://picsum.photos>. Ideally, serve different sized images for different screen sizes
- If hitting a character limit, split into multiple responses

EXAMPLE 1: MAKER PORTAL LANDING PAGE

EXAMPLE 2: SPOTIFY CONTENT PAGE

FOLLOW-UP PROMPTS

- This is looking great now. Have any icon buttons scale up by 5% on hover
- Hide the Date Added and Time columns at medium resolutions and below
- Instead of the plain dark colour for the background, try a `picsum.photos` image with a CSS gradient overlay from near black at 50% opacity to near black 100% opacity

WHERE DOES THAT CODE GO?

- This is looking great now. Have any icon buttons scale up by 5% on hover
- Hide the Date Added and Time columns at medium resolutions and below
- Instead of the plain dark colour for the background, try a `picsum.photos` image with a CSS gradient overlay from near black at 50% opacity to near black 100% opacity

ENHANCING OUT-OF- THE BOX COMPONENTS

Github Copilot

HOW'S THIS DIFFERENT?

CHOOSE YOUR OWN ADVENTURE

Complexity	Approach
Low	Augment out-of-the-box forms / lists
Medium	Build with Bootstrap components
High	Build from scratch

BREAKPOINTS

Screen resolution (width)	Bootstrap class example	Suitable for these resolutions
<576px	col-3	Mobile and above
>=576px	col-sm-3	Small
>= 768px	col-md-3	Medium resolutions and above
>=992px	col-lg-3	Large resolutions and above
>=1200px	col-xl-3	Extra large resolutions and above
>=1400px	col-xxl-3	Extra, extra large resolutions and above

BOOTSTRAP COMPONENTS

- Card
- Collapse
- Modal
- Nav & Tabs
- Accordions

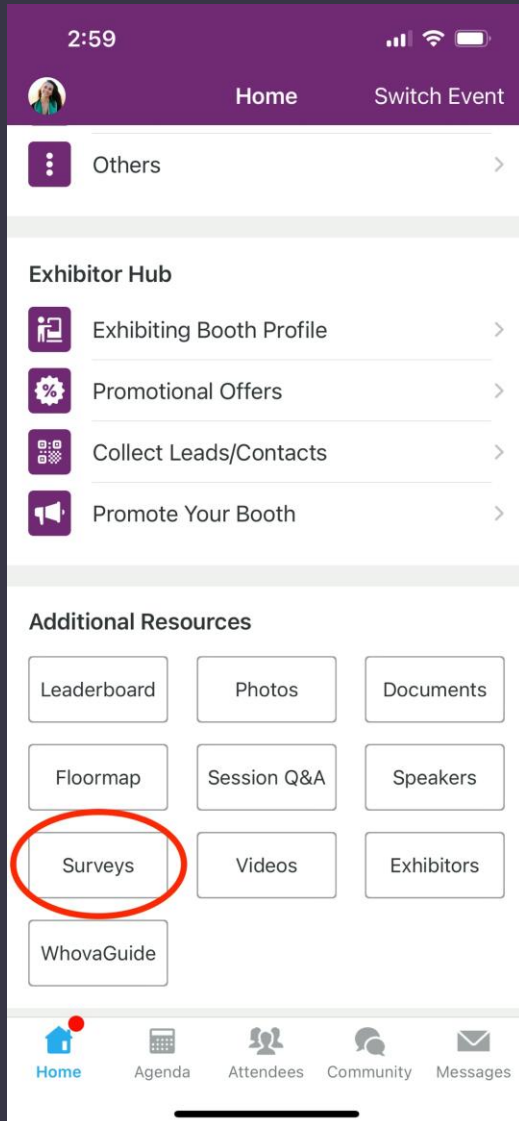
"THEY PROMISED ME MOBILE-
OPTIMISED AND ALL I GOT
WAS THIS VERTICALLY
STACKED P.O.C 🍌"

Sound familiar?!

OPTIMISING FOR MOBILE

- Media queries / container queries (last resort)
- Swap out content
- Stack vertically
- Offcanvas
- Make modals fullscreen
- Make links tap-friendly
- Clamp font sizes
- 'Block' buttons

SESSION FEEDBACK SURVEYS



We really want to hear from YOU!

In the pursuit of making next year's Power Platform Community Conference even better, we want to hear your feedback about this session.

Here's How -

- *Simply go to the Whova App on your smartphone*
- *Scroll down on the Power Platform Community Conference Homepage to 'Additional Resources' to click "Surveys".*
- *Click Session Feedback.*
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It's just that easy!