

Requirements Documentation for Designers

VIZ DIG | FRIDAY, NOVEMBER 9, 2018





Agenda

- | Overview of Requirements Documentation
 - | Purpose and Benefits
 - | Best Practices: Requirements Writing
 - | Delivery Methods
 - | Group Discussion / Questions
- 





Requirements Documentation





REQUIREMENTS DOCUMENTATION

What are Requirements?

- | Rules and information that support a design and provide developers with an understanding of what to build.
- | Different types: Business, Functional/Technical, Analytics, Interaction, Visual, a11y

Purpose and Benefits

A photograph showing a person's hands holding several small, colorful sticky notes against a light-colored wall. One blue note says 'PREFERENCES' and 'Communicate - 10%'. Other notes mention 'PREFERS PHONE + PERSON', 'OPEN LINE', and 'Nutrition Exercise ...'.

PURPOSE AND BENEFITS

Why are requirements valuable?

- | Improve communication and understanding between design and development
- | Provide written insight into the expectations of what should be built
- | Creates artifacts that can be referenced throughout the build and utilized for QA

PROS & CONS

Pros:

- | Improves communication between design and development
- | Decreases questions during build
- | Guides grooming conversations
- | Able to be referenced after a designer moves off the project
- | Easily updated

Cons:

- | Increases design workload
- | Requires a general understanding of development capabilities
- | Once it's a precedent in deliverables, you can never go back



Best Practices: Requirements Writing

Thinking
Company





BEST PRACTICES

Writing Requirements

- | Organize your documentation by feature(s)
- | Define the feature's requirements in context(s): Visual (ie. color), Interaction (ie. on-click), Functional/ Technical (does a user action trigger a system action?)
- | Utilize a basic development lexicon (ie. margins, on-click, max/min sizing)
- | Consider formatting requirements similar to Acceptance Criteria

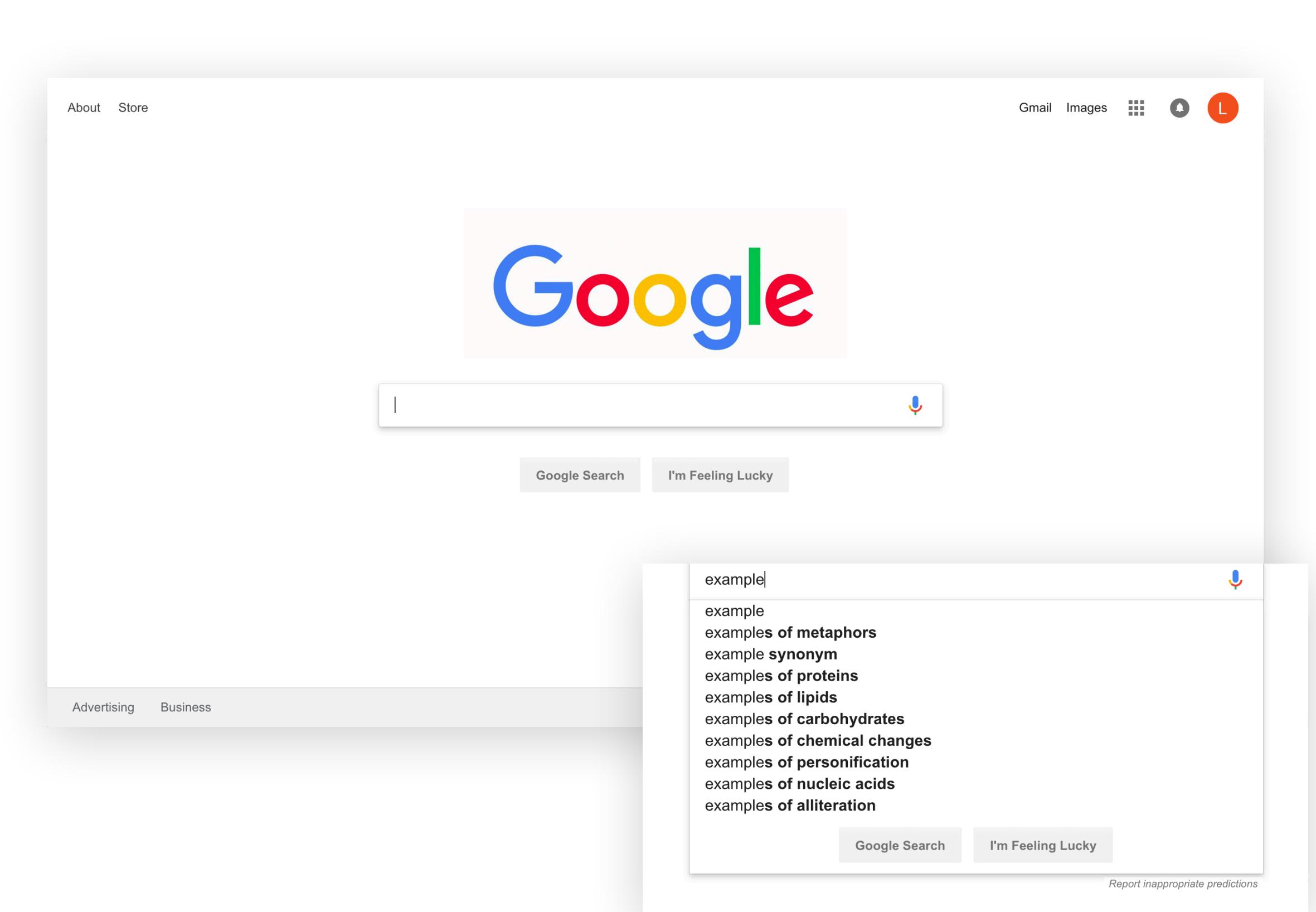
WRITING EXAMPLE

Requirements

Search Bar

- | Visual: fixed-height 44px, max-width 484px
- | Interaction: On page load, the search bar is active and the cursor is focused on the input.
- | Functional/Technical: When user types within the input, the system displays a dropdown list with related recommendations pulled from source XYZ.

Design



Requirements Delivery

A photograph of a group of five people (three men and two women) sitting around a round table in a grand, ornate hall. The room features a high, vaulted ceiling with intricate blue and gold decorations. A large, circular chandelier hangs from the center of the ceiling. The walls are made of dark stone or marble. The people are dressed in casual to semi-formal attire, engaged in a discussion. The lighting is dramatic, with strong highlights and shadows.



REQUIREMENTS DELIVERY

Process for Deliverables

- | Pair requirements with visual design deliverables
- | Create a Requirements page: Zeplin, InVision, or PDF format
- | Page organization: Breakdown requirements page by feature(s)
- | Feature reference: Utilize labels (numbers/letters) that correspond with comp comments or notes for more complex features
- | Request that product/dev review the requirements

DELIVERABLE EXAMPLES

Requirements Page

COMCAST BUSINESS | **ActiveCore 2.0 Documentation** | **Tables**

FLUID LAYOUT

General

1 TABLE:
Table Cell padding is an 8px spacing pattern (8px, 16px, etc.)
Table width is fluid within content grid area
Display row accordions on all sizes when a table has 4 or more columns. Accordion arrow/column is inactive when all column widths fit on the screen.
When columns have sorting capability, the entire width of the column header is clickable.

2 SEARCH:
When inactive, background color behind search icon is #191919.
When active/input is in focus state, background color behind search icon is #1471DA

3 PAGINATION:
Pagination will be shown above and below the table on the left side.
When table has zero results, pagination will not display.
When default number of rows exceeds the number of items in the table, there will be no pagination interaction options shown (ie. only show the text 1-10 of X)
When number of items exceeds the default number of rows displayed, there will always be left/right pagination arrows.
Pages with multiple tables (ie. Analytics pages): Default number of rows shown in a single table is always 10.
Pages with single table (ie. Device Inventory): Default number of rows shown in a table is always 25. See the next bullet for details on the pagination dropdown rules.
Show XX items dropdown:
When a table has more than 10 rows and less than 25 rows, show "All items" as an available selection.

- When a table has 25 or more rows and less than 50 rows, and the default display is 10, show "25 items" and "All items" as available selections.
- When a table has 25 or more rows and less than 50 rows, and the default display is 25, show "25 items" as the selected options and "All items" as the deselected option.
- When a table has 50 or more rows, and the default display is 10, show "25 items",

Disabled, Hover, Active states

ICONOGRAPHY:
Disabled icon color is #CCCCCC. Example: Pagination left arrow
Default action icon color is #757575. Example: Accordion arrows
Hover icon color is #000000, Background color is #CCCCCC. Example: 1.2_Device Inventory_1440_Active Table Action, Row, Row Action, and Pagination
Dropdowns appear on-click; height of dropdown containers is dependent upon how many items are in the list (not fixed height, no scrolling) Example: 1.2_Device Inventory_1440_Active Table Action, Row, Row Action, and Pagination

At 1600px and above (XL)

TABLE COLUMNS:
1600px and up: Always display 7 columns. If more than 7, the remaining columns are put in row accordions

At 1160px

TABLE COLUMNS:
Display 4 table columns and push the 5th column to the accordion. 5th column will display again at larger sizes.

At 768px to 481px

TABLE COLUMNS:
Display at least 3 columns. Text/content can wrap - utilize current rules for min-widths on columns with short content (ie. Device CLLI)

At 480px and below (Mobile)

TABLE COLUMNS:
The same columns displayed on 768px will be shown on mobile. All other columns will remain in the accordions.

COMCAST BUSINESS

ACTIVECORE™ SD-WAN

Network Inventory

SITES **DEVICES**

1 **2** Search **3**

Site CLLI ↑↓	Status ↑↓	Site Name ↑↓	Address ↑↓
PHLJPAMT	▼ Down	DS Financial 0018 / 1701 John F Kennedy Blvd	1701 John F Kennedy Blvd, Philadelphia, PA 19103
PHLJPAMT	▼ Down	DS Financial 0018 / 1701 John F Kennedy Blvd	1701 John F Kennedy Blvd, Philadelphia, PA 19103
PHLJPAMT	▼ Down	DS Financial 0018 / 1701 John F Kennedy Blvd	1701 John F Kennedy Blvd, Philadelphia, PA 19103
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Visit Site

Design Deliverable

Group Discussion & Questions

