



UNIVERSAL DESIGN

7/23/20

SEVEN USER-FRIENDLY PRINCIPLES FOR EVERY HOME

ALISA HOFMANN, UDCP, CLIPP, AKBD

WWW.DESIGNSETMATCH.COM

www.DesignSetMatch.com



EQUITABLE USE

7/23/20

THE DESIGN IS USEFUL AND
MARKETABLE TO PEOPLE WITH
DIVERSE ABILITIES

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EQUITABLE USE

PROVIDE THE SAME MEANS OF USE FOR ALL USERS

IDENTICAL WHENEVER POSSIBLE; EQUIVALENT WHEN NOT

AVOID SEGREGATING OR STIGMATIZING ANY USERS

MAKE THE DESIGN APPEALING TO ALL USERS



**FLEXIBILITY
IN USE**

7/23/20

THE DESIGN ACCOMMODATES A
WIDE RANGE
OF INDIVIDUAL PREFERENCES AND
ABILITIES

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FLEXIBILITY IN USE

PROVIDE CHOICES IN METHODS
OF USE

ACCOMMODATE RIGHT-HANDED
OR LEFT-HANDED ACCESS AND USE

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**SIMPLE
AND
INTUITIVE
USE**

7/23/20

USE OF THE DESIGN IS EASY TO UNDERSTAND REGARDLESS OF THE USER'S EXPERIENCE, KNOWLEDGE, LANGUAGE SKILLS, OR CURRENT CONCENTRATION LEVEL.

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SIMPLE AND INTUITIVE USE

ACCOMMODATE A WIDE RANGE
OF LITERACY AND LANGUAGE
SKILLS

ARRANGE INFORMATION
CONSISTENT WITH ITS
IMPORTANCE



PERCEPTIBLE INFORMATION

7/23/20

THE DESIGN COMMUNICATES
NECESSARY INFORMATION
EFFECTIVELY TO THE USER
REGARDLESS OF AMBIENT
CONDITIONS OR THE USER'S
SENSORY ABILITIES.

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PERCEPTIBLE INFORMATION

DIFFERENTIATE ELEMENTS IN WAYS
THAT CAN BE DESCRIBED

(I.E., MAKE IT EASY TO GIVE
INSTRUCTIONS OR DIRECTIONS)



TOLERANCE FOR ERROR

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THE DESIGN MINIMIZES HAZARDS
AND THE ADVERSE CONSEQUENCES
OF ACCIDENTAL OR UNINTENDED
ACTIONS.

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TOLERANCE FOR ERROR

ARRANGE ELEMENTS TO MINIMIZE HAZARDS AND ERRORS: MOST USED ELEMENTS,

MOST ACCESSIBLE; HAZARDOUS ELEMENTS ELIMINATED, ISOLATED, OR SHIELDED

DISCOURAGE UNCONSCIOUS ACTION IN TASKS THAT REQUIRE VIGILANCE

7/23/20



**LOW
PHYSICAL
EFFORT**

7/23/20

THE DESIGN CAN BE USED
EFFICIENTLY, COMFORTABLY, AND
WITH MINIMUM FATIGUE.

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LOW PHYSICAL EFFORT

USE REASONABLE OPERATING FORCES

MINIMIZE SUSTAINED PHYSICAL EFFORT



SIZE AND SPACE FOR APPROACH AND USE

7/23/20

APPROPRIATE SIZE AND SPACE IS
PROVIDED FOR APPROACH, REACH,
MANIPULATION, AND USE
REGARDLESS OF USER'S BODY SIZE,
POSTURE, OR MOBILITY.

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TOLERANCE FOR ERROR

PROVIDE A CLEAR LINE OF SIGHT TO IMPORTANT ELEMENTS FOR ANY SEATED OR STANDING USER

MAKE REACH TO ALL COMPONENTS COMFORTABLE FOR ANY SEATED OR STANDING USER



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EASY ELEMENTS TO REMEMBER

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EASY ELEMENTS TO REMEMBER

- CABINET PULLS THAT WON'T CATCH ON CLOTHES.
- HIGH CONTRAST COLORS BETWEEN CABINETS AND COUNTERTOPS.
- LEVER HANDLES ON ALL FAUCETS
- BALANCE VISUAL SPACE WITH SOLID COLORS AND PATTERNS



EASY ELEMENTS TO REMEMBER

- CONTROLS WITH-IN REACH FOR ALL HEIGHTS
- UTENSILS AND DISHES IN REACH FOR EVERYONE
- HAVE A TABLE OR LOWER COUNTERTOP FOR DIFFERENT TASKS AND HEIGHTS



EASY ELEMENTS TO REMEMBER



- VISUALLY CONTRASTING TRANSITIONS AT THRESHOLDS / STEPS OVER
- NO THRESHOLD OR STEP
- GRAB BARS ACCESSIBLE AS WALKING INTO BATHING AREAS
- SLIP RESISTANT FLOORING IN AND OUT OF BATHING AREAS

EASY ELEMENTS TO REMEMBER



- FLEXIBLE USE OF SPACE
- CONTROLS FOR LEFT AND RIGHT HANDED USERS
- STANDING AND SEATED OPTIONS
- EASY TO REACH GRAB BARS

EASY ELEMENTS TO REMEMBER

- TILT MIRRORS FOR PERSONAL VIEWING AT ALL HEIGHTS
- EASY REACH STORAGE AND ACCESS TO SINK FROM SITTING
- ACCESS TO USE ASSISTING DEVICES OR ATTENDANT



EASY ELEMENTS TO REMEMBER



- INTUITIVE USE REGARDLESS OF LANGUAGE OR ABILITY
- CLEARLY DEFINED VISUAL CUES
- HORIZONTAL DESIGN ELEMENTS FOR VISUAL STABILIZATION

EASY ELEMENTS TO REMEMBER



- BALANCE LIGHTING FOR TASKS, ACCENTS, AND AMBIENT.
- LIGHTING DIMMERS FOR EYESIGHT SENSITIVITIES.
- LED LIGHT SOURCE COLOR 2700K, 3000K*, OR 3400K WITH 90% CRI
- * ALL SKIN TONES LOOK BEST UNDER 3000K



UNIVERSAL DESIGN

7/23/20

SIMPLY PUT, UNIVERSAL DESIGN IS
GOOD DESIGN.

WHAT QUESTIONS CAN I ANSWER FOR YOU?

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The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance.

DESIGNSETMATCH

SPECIALIZING IN DESIGNING REMODELS FOR THE SAN FRANCISCO BAY AREA'S TINY KITCHENS AND BATHS

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