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FINALTERM EXAMINATION
CS408- Human Computer Interaction

Persona is not context specific, so it can be reused easily.

True

False

In an email application configuring a new email server is a key path activity.

True

False

_____ are perhaps the least-documented patterns, but they are nonetheless in widespread use.

Postural

Structural

Behavioral

Mnemonic

The way people carry out an activity in the real world is same as how it may be observed in the laboratory

True

False

Engineering a user interface involves a quantitative engineering style of working in which measurements are used to judge the quality of interface. Hence

_____ is appropriate.

Usability testing

Field study

Predictive evaluation

DECIDE framework

Exploring how children talk together in order to see if an innovative new groupware product would help them to be more engaged would probably be better informed by a _____.

Usability testing

Field study

Predictive evaluation

DECIDE framework

Beneath the surface is the _____ of the site: the placement of buttons, tabs, photos, and blocks of text.

Surface

Structure

Skeleton

Scope

Roughly _____ percent of the male population has some degree of color blindness.

10

20

30

40

_____ are individual and isolated regions within display that can be selected by the user to invoke specific operations.

Buttons

Pointers

Menus

Windows

The _____ function came into being as the result of the implementation model for undo

Redo

Undo

Repeat

Delete

If the user wants to _____ place the document somewhere in the file system hierarchy, he can request this function from the menu.

Explicitly

Implicitly

Habitually

Properly

Design of user interfaces does not entirely _____ aesthetic concerns, but rather it places such concerns within the constraints of a _____ framework.

Include, Functional

Exclude, Functional

Include, Non-Functional

Exclude, Non-Functional

When developing _____, plan to keep them short, straightforward and avoid asking too many.

Videos

Documentation

Interview questions

Contextual enquiry

Conventional wisdom says that _____ tell the user when he has made some mistake.

Program crash

System stuck

Error messages

Metadata

People frequently counter the idea of _____ feedback with arguments that users don't like it

Audible

Video

Walkthroughs

Questions

_____ environments are environments that are user and context aware.

Non-attentive

Visual

Sensing

Attentive

User personas that are not primary or secondary are _____ personas.

Served

Negative

Customer

Supplemental

Which of the following is the comparison of what happened in the world with what we wanted to happen?

Action

Evaluation

Execution

None of these

The size and shape of a compact disk, is a type of _____ constraint.

Physical

Logical

Cultural

None of these

_____ Research can tell you about what, how, many and why in rich, multivariate detail.

Quantitative

Qualitative

SME

None of these

_____ is the least technical way of collecting data, but it can be difficult and tiring to write and observe at the same time.

Audio recording.

Taking notes.

Observation

Video

Panes, frames and other containers on screen is a kind of _____

Functional and data elements

View

Input method

None of the given

_____ is particularly useful early in design. It is excellent technique to use with the prototype, because it provides a wealth of diagnostic information.

Co-discovery

Active intervention

Splendid research

None of the given

Information sites with daily-updated information will naturally attract _____ users more than a monthly-updated site.

Repeat

Infrequent

Nonuser

None of the given

Evaluations done during design to check that product continues to meet users'

needs are known as _____ evaluation.

Formative

Summative

Relative

None of the given

_____ frequent your primary personas access the site, _____ transient a stance the site needs to take (respectively).

More, Less

Less, more

Less, less

None of the given

_____ suggests identifying goals and questions first before selecting techniques for the study

RVM model

DECIDE framework

Usability testing

Field study

_____ applications are great platforms for creating an environment rich, in visual feedback for the user.

Sovereign

Transient

Auxiliary

Daemonic

_____ is the process of selecting things to concentrate on, at a point in time, from the range of possibilities available.

Perception and recognition

Attention

Learning

None of these

_____ is like the building name for a website.

Site ID

Navigation

Section

None of the given

_____ is the extra work that satisfies the needs to achieve our objective.

Evaluation

Excise

Testing
None of the given

Panes, frames and other containers on screen is a kind of _____

Functional and data elements

View
Input method
None of the

Which of the following is least likely to be revealed by a paper prototype?

Your users don't know the term algorithm

Toolbar buttons are too small to press.

The Help menu isn't in the right place.

None of the given

_____ is the least technical way of collecting data, but it can be **difficult and tiring to write and observe at the same time.**

Audio recording.

Taking notes.

Observation

Video

Every page within a site should contain a brief _____ that accurately describes the content of the page.

Site ID.

Header

Local Navigation.

Search button

_____ applications are great platforms for creating an **environment rich, in visual feedback for the user.**

Sovereign

Transient

Auxiliary

Daemonic

What is the fifth step in defining the requirements with respect to personabased design?

Brainstorming.

Identifying persona expectations.

Constructing the context scenario.

Identifying needs

You can load a VCR tape the right way because of _____.

Physical constraints

Logical constraints

Cultural constraints

None of

_____ are unintentional while _____ occur through conscious deliberation.

Slips, mistakes

Errors, slips

Mistakes, errors

Mistakes, slips

What is the main strength of the Problem Space Framework as a model of human problem solving?

It operates within the constraints of the human processing system

None of these

It explains what is involved in insight

It allows ill-defined problems to be solved

_____ is the process of selecting things to concentrate on, at a point in time, from the range of possibilities available.

Perception and recognition

Attention

Learning

None of these

Over a short period of time, we find it easier to remember the string of numbers "404 894 6743" because _____

Numbers are easier to remember than arbitrary characters.

The grouping of the numbers is significant

Ten numbers is not that many to have to remember from working memory.

None of these

_____ involves watching and listening to users.

Observation

Evaluation

Qualitative research

Interaction

The name of the document should be shown on the application's _____.

Menu bar

Title bar

Title bar and menu bar

Not Title bar and not menu bar

The established standard suite of _____ for most applications consists of the Save As dialog, the Save Changes dialog, and the Open File dialog.

OS management

File management

Data management

Application management

_____ is the remarkable facility that lets us reverse a previous action.

Redo

Undo

Repeat

Delete

Explanatory undo is, generally, a much more pleasant feature than _____.

Single Undo

Multiple undo

Blind undo

Incremental Undo

Browser Title always contains the word '_____'.

Home

Default

Error

Browser

Interpretation inquiry, according to Beyer and Holtzblatt, is based on a masterapprentice model of learning.

True

False

_____ are the street signs of the web.

Site IDs

Home pages

Page Names

Sections

_____ is not like other pages; it has different burdens to bear, different promises to keep.

Homepage

Form

Navigation bar

Sections

Number of keystrokes is _____ work.

Logical

Mnemonic

Physical

Structural

Recalling password is _____ work.

Logical

Mnemonic

Physical

Structural

The persona is not an actual user of the product, but is indirectly affected by it and its use refers to _____ persona

Primary

Secondary

Served

Negative

_____ is a powerful, multipurpose design tool that helps overcome several problems that currently plague the development of digital products.

Scenario

Persona

Prototype

none

The difference between the intentions and allowable actions is the :

Gulf of Execution

Gulf of Evaluation

None of these

Attention is the process of selecting things to concentrate on, at a point in time, from the range of

Possibilities available

Time Available

None of these

The goals of HCI are :

Usability and User Experience

Learn ability and Comfort

Tasks and Goals.

While there can be wide variations in where and how you conduct a usability test, every usability test shares:

Three Characteristics

Five Characteristics

Seven Characteristics

WYSIWYG stands for _____.

Where you see is where you get

What you see is what you get

When you see it when you get

_____ is proportional to the amplitude of the sound.

Pitch

Loudness

Timber

If the user wants to _____ place the document somewhere in the file system hierarchy, he can request this function from the menu.

Explicitly

Implicitly

Habitually

Properly

Which of the following is the comparison of what happened in the world with what we wanted to happen?

Action

Evaluation

Execution

None of these

Evaluations done during design to check that product continues to meet users' needs are known as _____ evaluation.

Formative

Summative

Relative

None of the given

Which of the given statements correctly defines effectiveness in terms of one of the usability goals?

It is a very general goal and refers to how good a system at doing what it is suppose to do.

It refers to the way a system supports users in carrying out their tasks.

It involves protecting the users from dangerous conditions
It involves protecting the users from undesired situations

Which of the following is not a secondary color?

Green
Orange
Purple
Blue

Which of the following device can not be useful for a visually impaired person?

a typical keyboard
a typical monitor
a typical speaker
a typical processor

Which of the following requires less cognitive effort than others?

Listening
speaking
hearing
None of the given

We are deficient in our development _____, not in our development _____ (respectively).

Process, Tools
Tools, Process
Tools, Methodology
None of these

Which of the following is not true regarding “cones”?

a type of receptor in eye more sensitive to light
different types of cones are sensitive to different wavelengths of light
eye has approximately 6 million cones

Which of the following does not count as one of the advantages of computers?

Computers are enabling new discoveries
Leading to efficiencies
Making our life convenient
Depending so much on computers may give fatal results

The gulf of execution refers to _____.

The user’s difficulty in understanding the feedback from the system
The system’s difficulty in presenting information in the output language
The system’s difficulty in converting an input expression into the

correct system state transition

The user's difficulty in formulating and articulating an intention to the system

Which of the following is not true?

Utility refers to the functionality of a system

Usability is concerned with adding complexity to the system

Usability is concerned with making systems easy to use

Poorly designed computer system can be extremely annoying to users

The command line interface is used because

It is easy to understand

It is demanded by DOS

It is offered by Unix systems

It is powerful and flexible

Which of the given statements correctly defines effectiveness in terms of one of the usability goals?

It is a very general goal and refers to how good a system at doing what it is suppose to do.

It refers to the way a system supports users in carrying out their tasks.

It involves protecting the users from dangerous conditions

It involves protecting the users from undesired situations

Which of the following is concerned primarily with understanding human behavior and the mental processes that underlie it?

Psychology

Sociology

Statistics

Computer Science

HCI deals with

Design of interactive system only

Evaluation of interactive system only

Implementation of interactive system only

All of the given choices

Human beings interact with outside world, using their input channels

output channels

sense of sight

All of the given

Visually impaired persons can interact with outside world using their
sense of sight sense of hearing

both sense of touch and sense of hearing

sense of touch

Which of the given statements correctly defines efficiency in terms of one of the usability goals?

It is a very general goal and refers to how good a system at doing what it is suppose to do.

It refers to the way a system supports users in carrying out their tasks.

It involves protecting the users from dangerous conditions

It involves protecting the users from undesired situations

_____ plays a role to bridge up the gape between the interfaces of machines and human understanding.

Human

Computer

Human Computer Interaction

None of these

The persona's needs are sufficiently unique to require a distinct interface form and behavior is _____ type of Persona.

Primary

Secondary

Supplement

Negative

A _____ is usually a collection of icons those are reminiscent of the purpose of the various modes.

Button

Pointer

Palette

Title bar

The persona is not an actual user of the product, but is indirectly affected by it and its use refers to _____ persona

Primary

Secondary

Served

Negative

During _____ phase, usage and workflow patterns discovered through _____.

Modeling, analysis

Analysis, modeling

Testing, modeling

Testing, Analysis

The Usability Engineering lifecycle was proposed by _____.

Deborah Mayhew

Webster

Barry Boehm.

Hartson.

Waterfall model is basically a _____ model in which each step must be completed before the next step can be started

Incremental

Linear

Iterative

Analytical

_____ and _____ are the same things

Excise and Navigation

Excise and Testing

Excise and Evaluation

All of the given

Scenario content and context are derived from information gathered during the _____ phase and analyzed during the _____ phase

(respectively)

Research, modeling

Modeling, implementation

Research, implementation

Modeling, Research

Usability testing works for _____.

Software products

Hardware products

All products

None of the given

What do you enjoy most about your job (or lifestyle) is an example of _____.

Avoidance

Motivation

Exceptions

Attitude-oriented questions

_____ represents the Early-phase of ethnographic interviews.

Clarify user roles and behaviors.

Confirm patterns of use.

Clarifying questions.

Focused on domain knowledge.

There can only be one _____ persona per interface for a product

Primary

Secondary

Supplemental

Customer

_____ capture the non-verbal dialogue between artifact and user over time.

Persona

Scenario

Dialogue

Design model

Number of keystrokes is the type of _____ work.

Logical

Mnemonic

Physical

Structural

What are the most common things you do with the product is a type of _____.

Goal-oriented question.

System-oriented question.

Workflow-oriented question.

Attitude-oriented question.

Desktop applications fit into _____ categories of posture.

Two

Four

Five

Three

Goal-oriented context scenarios are _____ task-oriented than key path scenario

Less

Alike

More

None of the given

_____ patterns can be applied at the conceptual level.

Postural

Structural

Behavioral

Mnemonic

_____ represent the user's expectations of the tangible outcomes of using a specific product.

Non-user goals

End goals

Experience goals

Life goals

Usability testing works for _____.

Software products

Hardware products

All products

If the user requires access via a navigational portal relatively infrequently, the appropriate posture is _____.

Sovereign

Transient

Temporary

None of the given

The _____ phase sets the stage for the core of the design effort

Requirement definition

Modeling

Implementation

None of the

If the product is new then _____ time is usually invested in market research.

Less

Less

More

None of the given

Which of the following is least likely to be revealed by a paper prototype?

Your users don't know the term algorithm

Toolbar buttons are too small to press.

The Help menu isn't in the right place.
None of the given

_____ and _____ are the same things

Excise and Navigation
Excise and Testing
Excise and Evaluation
All of the given

_____ is needed to check that users can use the product and like it.

Coding
Evaluation
Guideline
None of the given

What is the fifth step in defining the requirements with respect to personabased design?

Brainstorming.
Identifying persona expectations.
Constructing the context scenario.
Identifying needs

What is the main strength of the Problem Space Framework as a model of human problem solving?

It operates within the constraints of the human processing system
It explains what is involved in insight
It allows ill-defined problems to be solved
None of these

Over a short period of time, we find it easier to remember the string of numbers "404 894 6743" because

Numbers are easier to remember than arbitrary characters.
The grouping of the numbers is significant
Ten numbers is not that many to have to remember from working memory
None of these

The established standard suite of _____ for most applications consists of the Save As dialog, the Save Changes dialog, and the Open File dialog.

OS management
File management
Data management
Application management

Explanatory undo is, generally, a much more pleasant feature than _____.

Single Undo

Multiple undo

Blind undo

Incremental Undo

Browser Title always contains the word '_____'.

Home

Default

Error

Browser

Interpretation inquiry, according to Beyer and Holtzblatt, is based on a masterapprentice model of learning.

True

False

_____ are the street signs of the web.

Site IDs

Home pages

Page Names

Sections

_____ is not like other pages; it has different burdens to bear, different promises to keep.

Homepage

Form

Navigation bar

Sections

The _____ suggests identifying goals and questions first before selecting techniques for the study

RVM model

DECIDE framework

Usability testing

Field study

Recalling password is _____ work.

Logical

Mnemonic

Physical

Structural

The persona is not an actual user of the product, but is indirectly affected by it and its use refers to _____ persona

Primary

Secondary

Served

Negative

To make an appointment you need to see a calendar and possibly contacts you might incorporate all these together, due to_____.

Form factor

Input method

View

None of the given

What is the fourth step in defining the requirements with respect to persona-based design?

Creating problem and vision statement.

Brainstorming.

Identifying persona expectations.

Constructing the context scenario.

Navigation represents excise except in _____.

Web

Games

Windows

Menus

If the user requires access via a navigational portal relatively infrequently, the appropriate posture is _____.

Sovereign

Transient

Temporary

None of the given

Because the user's interaction with a _____ program dominates his session at the computer, the program shouldn't be afraid to take as much screen real estate as possible.

Transient

Auxiliary
Sovereign
Daemonic

Programs that are best used full-screen, monopolizing the user's attention for long periods of time, are _____ posture application.

Transient
Sovereign
Auxiliary
None of the given

Evaluations done during design to check that product continues to meet users' needs are known as _____ evaluation.

Formative
Summative
Relative
None of the given

What is the second step in defining the requirements with respect to persona-based design?

Brainstorming
Creating problem and vision statement.
Identifying persona expectations.
Constructing the context scenario.

_____ patterns can be applied at the conceptual level.

Postural
Structural
Behavioral
Mnemonic

Overviews serve a similar purpose to _____ in an interface.

Navigation
Excise
Signposts
None of the given

_____ personas address the needs of customers, not end users.

Served
Negative

Customer

Supplemental

Navigation represents excise except in _____.

Web

Games

Windows

Menus

Desktop applications fit into _____ categories of posture.

Two

Four

Five

Three

Scenario content and context are derived from information gathered during the _____ phase and analyzed during the _____ phase (respectively)

Research, modeling

Modeling, implementation

Research, implementation

Modeling, Research

Evaluations done during design to check that product continues to meet users' needs are known as _____ evaluation.

Formative

Summative

Relative

None of the given

_____ represent the user's expectations of the tangible outcomes of using a specific product.

Non-user goals

End goals

Experience goals

Life goals

WYSIWYG stands for _____.

Where you see is where you get

What you see is what you get

When you see it when you get

_____ is proportional to the amplitude of the sound.

Pitch

Loudness

Timber

_____ is the extra work that satisfies the needs to achieve our objective.

Evaluation

Excise

Testing

The _____ suggests identifying goals and questions first before selecting techniques for the study.

RVM model

DECIDE framework

Usability testing

_____ is like the building name for a website.

Site ID

Navigation

Section

None of the given

_____ is particularly useful early in design. It is excellent technique to use with the prototype, because it provides a wealth of diagnostic information.

Co-discovery

Active intervention

Splendid research

None of the given

_____ is the extra work that satisfies the needs to achieve our objective.

Evaluation

Excise

Testing

None of the given

Panes, frames and other containers on screen is a kind of _____

Functional and data elements

View

Input method

None of the given

Which of the following is least likely to be revealed by a paper prototype?

Your users don't know the term algorithm

Toolbar buttons are too small to press.

The Help menu isn't in the right place.

None of the given

_____ is the least technical way of collecting data, but it can be difficult and tiring to write and observe at the same time.

Audio recording.

Taking notes.

Observation

Video

Every page within a site should contain a brief _____ that accurately describes the content of the page.

Site ID.

Header

Local Navigation.

Search button

_____ applications are great platforms for creating an environment rich, in visual feedback for the user.

Sovereign

Transient

Auxiliary

Daemonic

What is the fifth step in defining the requirements with respect to persona-based design?

Brainstorming.

Identifying persona expectations.

Constructing the context scenario.

Identifying needs

You can load a VCR tape the right way because of _____.

Physical constraints

Logical constraints

Cultural constraints

None of these

_____ are unintentional while _____ occur through conscious deliberation.

Slips, mistakes

Errors, slips

Mistakes, errors

Mistakes, slips

What is the main strength of the Problem Space Framework as a model of human problem solving?

It operates within the constraints of the human processing system

It explains what is involved in insight

It allows ill-defined problems to be solved
None of these

_____ is the process of selecting things to concentrate on, at a point in time, from the range of possibilities available.

Perception and recognition

Attention

Learning

None of these

Over a short period of time, we find it easier to remember the string of numbers "404 894 6743" because

Numbers are easier to remember than arbitrary characters.

The grouping of the numbers is significant

Ten numbers is not that many to have to remember from working memory.

None of above

_____ environments are environments that are user and context aware.

Attentive

Non-attentive

Visual

Sensing

_____ involves watching and listening to users.

Observation

Evaluation

Qualitative research

Interaction

The name of the document should be shown on the application's_____.

A. Menu bar

B. Title bar

C. Title bar and menu bar

D. Not Title bar and not menu bar

Only B

Only D

A and B

A and D

The established standard suite of _____ for most applications consists of the Save As dialog, the Save Changes dialog, and the Open File dialog.

OS management

File management

Data management

Application management

_____ is the remarkable facility that lets us reverse a previous action.

Redo

Undo

Repeat

Delete

Explanatory undo is, generally, a much more pleasant feature than _____.

Single Undo

Multiple undo

Blind undo

Incremental Undo

Browser Title always contains the word '_____ '.

Home

Default

Error

Browser

Interpretation inquiry, according to Beyer and Holtzblatt, is based on a master-apprentice model of learning.

True → Contextual inquiry

False

Roughly _____ percent of the male population has some degree of color blindness.

10

20

30

40

The _____ is a concrete expression of the more abstract structure of the site.

Skeleton

Scope

Strategy

Structure

_____ are the street signs of the web.

Site IDs

Home pages

Page Names

Sections

_____ is not like other pages; it has different burdens to bear, different promises to keep.

Homepage

Form

Navigation bar
Sections

The _____ suggests identifying goals and questions first before selecting techniques for the study

RVM model

DECIDE framework

Usability testing

Field study

Number of keystrokes is _____ work.

Logical

Mnemonic

Physical

Structural

Recalling password is _____ work.

Logical

Mnemonic

Physical

Structural

The persona is not an actual user of the product, but is indirectly affected by it and its use refers to _____ persona

Primary

Secondary

Served

Negative

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Define reliability in term of evaluation technique. [1]

What is the first step which describes the process of defining the interaction framework?

What is meant by term “Color shows relationships” with respect to misuse of colors in visual interface? [2]

Explain any four disadvantages of Low-fidelity prototyping.

Explain any two necessary conditions regarding “Page Names”?

How can we make computers "see" and "feel"?

What are the steps which describes the process of defining the interaction framework?

Describe quantitative data analysis.

Explain the following in context of problems with the web experience:

a) No sense of scale.

b) No sense of location.

Question No: 40 (Marks: 10)

Explain the following planes of Conceptual Framework for developing an interactive product.

a) The Structure Plane

b) The Scope Plane

c) The Surface Plane

d) The Strategy Plane

Question No: 41 (Marks: 10)

Explain the term “Accessibility” with respect to Emerging Paradigms.

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