Free Questions for CTAL by actualtestdumps

Shared by Dennis on 29-01-2024

For More Free Questions and Preparation Resources

Check the Links on Last Page

Question 1

Question Type: MultipleChoice

A car manufacturer is updating its airbag deployment system for its family cars. It has increased the number of airbags from four to nine. This has necessitated an upgrade to the airbag control software (ACS) to allow deployment of the extra airbags where appropriate. The car manufacturer receives information from on-board sensors. From this, it calculates the amount of deployment needed (minimal, medium and full), and from which airbag(s). For this upgrade, it will receive information from extra sensors to be used in its calculations. The car manufacturer employs its own in-house software development team. It uses the V model for its software development. There are four stages of testing, from unit through to factory acceptance testing. The development team is made up of project, programming and test managers. The programmers use object-oriented methods for development. The car manufacturer wishes to be first to market with the extra airbags, which will allow it to increase the safety ratings for its family cars, thereby increasing sales in a very competitive market. Which of the following is a risk associated with the development approach?

Options:

A- Information hiding may pose extra testing challenges.

B- System testing may take longer than planned.

C- The calculations may become overly complex due to the increase in the number of sensors.

D- Testers may not be able to write the factory acceptance tests at the start of development

Answer:

A

Question 2

Question Type: MultipleChoice

A car manufacturer is updating its airbag deployment system for its family cars. It has increased the number of airbags from four to nine. This has necessitated an upgrade to the airbag control software (ACS) to allow deployment of the extra airbags where appropriate. The car manufacturer receives information from on-board sensors. From this, it calculates the amount of deployment needed (minimal, medium and full), and from which airbag(s). For this upgrade, it will receive information from extra sensors to be used in its calculations. The car manufacturer employs its own in-house software development team. It uses the V model for its software development. There are four stages of testing, from unit through to factory acceptance testing. The development team is made up of project, programming and test managers. The programmers use object-oriented methods for development. The car manufacturer wishes to be first to market with the extra airbags, which will allow it to increase the safety ratings for its family cars, thereby increasing sales in a very competitive market. Which of the following are risks associated with the use of the V model for this upgrade?

I . The sensors may not be responsive enough in impacts.

II . The manufacturer may not be able to process the information received from the sensors quickly enough.

III . The time required to create the high- and low-level designs may mean that insufficient time can be spent on system testing.

IV . The system may fail factory acceptance testing, necessitating costly rework.

Options:

A- I and II

B- II and III

C- III and IV

D- I and IV

Answer:

C

Question 3

Question Type: **MultipleChoice**

An internet service provider (ISP) offers its services mainly to home users. With this group, a major target is home users with children. One of its key selling points is its Parental Control (PC) system. The PC system allows the user with Master rights to set the internet access privileges of the other users. Its categories of user are: Mature Teen (M), General

Teen (G), Kids only (KO).

A Mature Teen can have 24-hour access, can access websites in the M category and can visit chat rooms.

A General Teen can have '9--5' access, can access websites in the G category and can visit chat rooms.

A Kid can have access up to 1 hour per day, can access websites in the KO category only, but cannot visit chat rooms. For which of the following would decision testing be most suited?

Options:

A- To check that the system allows the creation of a Master user.

B- To check that the Master user can set access privileges.

C- To check that the code relating to the Master user can be fully executed.

D- To check that the Master user can be changed to a different user.

Answer:

C

Question 4

Question Type: **MultipleChoice**

An internet service provider (ISP) offers its services mainly to home users. With this group, a major target is home users with children. One of its key selling points is its Parental Control (PC) system. The PC system allows the user with Master rights to set the internet access privileges of the other users. Its categories of user are: Mature Teen (M), General Teen (G), Kids only (KO).

A Mature Teen can have 24-hour access, can access websites in the M category and can visit chat rooms.

A General Teen can have '9--5' access, can access websites in the G category and can visit chat rooms.

A Kid can have access up to 1 hour per day, can access websites in the KO category only, but cannot visit chat rooms.

Which of the following types of testing would be best suited to checking the source code for data flow errors?

Options:

A- Static analysis

B- Dynamic analysis

C- Performance testing

D- Boundary value analysis

Answer:

A

Question 5

Question Type: MultipleChoice

An internet service provider (ISP) offers its services mainly to home users. With this group, a major target is home users with children. One of its key selling points is its Parental Control (PC) system. The PC system allows the user with Master rights to set the internet access privileges of the other users. Its categories of user are: Mature Teen (M), General Teen (G), Kids only (KO).

A Mature Teen can have 24-hour access, can access websites in the M category and can visit chat rooms.

A General Teen can have '9--5' access, can access websites in the G category and can visit chat rooms.

A Kid can have access up to 1 hour per day, can access websites in the KO category only, but cannot visit chat rooms.

Which of the following test design techniques would be best suited to testing that a General Teen can have only '9--5' access to the system?

Options:

A- State transition testing

B- Equivalence partitioning

C- Path testing

D- Statement testing

Answer:

B

Question 6

Question Type: MultipleChoice

An internet service provider (ISP) offers its services mainly to home users. With this group, a major target is home users with children. One of its key selling points is its Parental Control (PC) system. The PC system allows the user with Master rights to set the internet access privileges of the other users. Its categories of user are: Mature Teen (M), General

Teen (G), Kids only (KO).

A Mature Teen can have 24-hour access, can access websites in the M category and can visit chat rooms.

A General Teen can have '9--5' access, can access websites in the G category and can visit chat rooms.

A Kid can have access up to 1 hour per day, can access websites in the KO category only, but cannot visit chat rooms. Which of the following provides the best description of a test condition for this system?

Options:

A- The system will allow a user to have Master rights.

B- The system will allow a General Teen to have 24-hour access.

C- The system will allow Kids access to the M category of websites.

D- The system will allow a Mature Teen to access only specified chat rooms.

Answer:

A