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Accenture
Technology
Academy

Exam Guide – Application Developer:
Application Programming Detailed Design Mainframe

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I.   Purpose of this Document

This document is intended to provide an overview of the Application Developer: Application Programming Detailed Design Mainframe Certification Exam, including exam procedures, processes, content areas, and topics to be covered. This is not intended to be a comprehensive study guide.

II.   Accenture Technology Academy Certification Exams Overview

Significant effort has been devoted to designing Accenture Technology Academy exams that assess relevant knowledge and skills. We follow an industry standard model for developing these certification exams which involves significant time and effort from Accenture Subject Matter Experts across several geographies, MIT faculty members, psychometricians, and certification specialists from Accenture Learning. Accenture Subject Matter Experts across the Global Delivery Network have been the primary contributors to the design and build of the certification exams. MIT faculty members have participated in the question review and selection for every exam in the program and each exam has been formally approved by the MIT Professional Education Program team.

To learn more about the exam development process, please refer to the Program Guide, accessible via: https://deliveryacademy.accenture.com.

III.   Earning the Application Developer Certification Credential

The Application Programming Detailed Design Mainframe Certification Exam is part of the Application Developer exam group, positioned as the first exam in the Application Developer program.

Requirements for the credential include:
- enrolling in the ASDA08500A - Application Developer Certification
- completing the Application Delivery Fundamentals course
- passing the Application Programming Mainframe exam
- gaining six months of application programming experience
- completing the Application Testing course
- passing the Application Testing exam
- completing the Application Component Detailed Design course
- passing the Application Programming Detailed Design exam
- gaining three months of detailed design experience

Please refer to the Accenture Technology Academy Program Guide for detailed information, accessible via: https://deliveryacademy.accenture.com.

IV.   Exam Format

Exams are delivered online (accessed through myCertification), in a proctor-supervised, secure setting following a course. Additionally, these exams can be delivered at kiosks or Accenture locations, which could include local offices and/or offsite facilities. Refer to the exam session details in myCertification for session location.

- There are 73 scored questions on the exam. Additional unscored items may be present to gather

data. All questions are multiple choice.

- Questions are delivered one per screen.
- Once you have completed a section, you cannot return to it.
- You will have 120 minutes to complete the exam. Based on analysis from previous exam sessions, this should be sufficient time to complete the exam. *

*Note: The amount of time allowed for this exam may vary by location to accommodate candidates taking the exam in their non-native language.

V.   Exam Scoring

Upon completion of the exam, employees who are not pursuing a certification will receive a summary level feedback report, providing a red/yellow/green performance indicator by exam topic; their performance will not be defined with an exam-level pass/fail rating.

Employees who are pursuing ATA certification will receive the same feedback report; however, this report will include a pass/fail rating. Those who pass the exam will receive credit toward the ATA certification program requirements. Those who do not pass the exam on their first attempt will be allowed to take the exam a second time, during an upcoming exam session offered in their location. Exact scores will not be communicated. There is no appeal process for certification exam results; the result (pass/fail) is final.

Only employees pursuing an ATA certification are required to take the exam a second time. Therefore, the move to deliver exams as part of the courses will not eliminate the need for standalone exam sessions. These will still be required for employees who were unable to sit for the exam as part of the course as well as for employees who need a second exam attempt.

There are no consequences for failing the exam if the employee is not pursuing certification. Exam results are not shared with career counselors or supervisors nor does performance on the exam affect performance ratings.

VI.   Exam Content

The charts on the following pages provide details on the modules that comprise the Application Developer: Application Programming Detailed Design Mainframe Certification Exam.

Within each section, the module objectives and the percentage of the total exam allocated to each objective are provided.

Model 1: Course Introduction	
There are not questions for this section of the exam	
Course Objectives:	• Validate Design deliverables to determine accuracy, determine completeness, and identify issues as they relate to mainframe Detailed Technical Design. • Apply best practices, critical decision-making, and procedural logic for mainframe implementation during Detailed Technical Design. • Complete Detailed Technical Design deliverables designed to reduce defects for batch and online mainframe implementation. • Apply the Accenture Delivery Method (ADM) processes to complete Detailed Technical Design for a mainframe implementation.

Model 2: Introduction to Mainframe Detailed Technical Design	
This section of the exam represents 16% of the questions	
Objectives:	• Describe where mainframe Detailed Technical Design fits within the Accenture Delivery Method (ADM) • Describe the V-Model and its purpose • Describe where Build fits within the Accenture Delivery Method (ADM) • Identify the purpose of Application Build • Describe where Detailed Technical Design fits in the Application Build phase • Articulate the purpose of Detailed Technical Design • Describe why Detailed Technical Design occurs during Build • Describe the Application Designer role • Identify Detailed Technical Design key components and the purpose of key components • Identify mainframe Detailed Technical Design deliverables • Apply Detailed Technical Design key considerations

Module 3: Foundation for Mainframe Detailed Technical Design (Batch)	
This section of the exam represents 19% of the questions	
Objectives:	• Describe batch processing for a mainframe implementation • Describe key differences between batch and online architectures • Describe batch processing type • Define the mainframe Detailed Technical Design baseline • Demonstrate the ability to follow the step-by-step procedures during Detailed Technical Design • Identify the key components of mainframe Detailed Technical Design • Create step-by-step procedural logic during Detailed Technical Design by using the key components documents as a guide

Module 4: Practicing Mainframe Detailed Technical Design (Batch)
This section of the exam represents 22% of the questions

Objectives:	- Create a Detailed Technical Design for batch architecture - Verify that Detailed Technical Design input deliverables are present - Create detailed, clear, and efficient pseudo code using the project application development standards as reference - Validate a Detailed Technical Design using peer review criteria - Validate the completeness of Detailed Technical Designs against the application functional design and development standards

Module 5: Foundation for Mainframe Detailed Technical Design (Online)
This section of the exam represents 25% of the questions

Objectives:	- Describe online architecture - Identify the elements of online architecture - Define the Mainframe Detailed Technical Design baseline - Identify the Mainframe Detailed Technical Design key components - Create step-by-step procedural logic during Detailed Technical Design, using the key components documents as a guide

Module 6: Practicing Mainframe Detailed Technical Design (Online)
This section of the exam represents 18% of the questions

Objectives:	- Verify required documents needed in creating a Detailed Technical Design - Validate the completeness of Detailed Technical Designs against the application functional design and development standards - Create a Detailed Technical Design for online architecture - Create detailed, clear, and efficient pseudo code using the project application development standards as a reference - Validate a Detailed Technical Design using peer review criteria - Use and update the appropriate checklist during Detailed Technical Design

Module 7: Course Conclusion	
There are not questions for is section of the exam	
Course Objectives:	• Validate Design deliverables to determine accuracy, determine completeness, and identify issues as they relate to mainframe Detailed Technical Design. • Apply best practices, critical decision-making, and procedural logic for mainframe implementation during Detailed Technical Design. • Complete Detailed Technical Design deliverables designed to reduce defects for batch and online mainframe implementation. • Apply the Accenture Delivery Method (ADM) processes to complete Detailed Technical Design for a mainframe implementation.

VII. Sample Questions

1. What should a designer use as a guideline for setting up a test environment for a new application?

   (a) the signed-off business requirements document
   (b) the latest standards and procedures document
   (c) the module definition document
   (d) the record definition document

2. A designer is writing a condition parameter for a batch job that needs to bypass a succeeding job step if any of the preceding steps do not complete with a return code of zero.

   How should the designer write the condition parameter?

   (a) COND=(0, GT)
   (b) COND=(0,LT)
   (c) COND=(0,NE)
   (d) COND=(0,EQ)

3. According to the Accenture Delivery Methodology (ADM), which checklist is used to control the quality of deliverables related to component testing and to understand when component testing is ready for transition?

   (a) Test Exit Criteria Checklist
   (b) Test Entry Criteria Checklist
   (c) Test Standards Criteria Checklist
   (d) Test Action Criteria Checklist

VIII.   Exam Policies and Security Guidelines

Certification exams are a key component of a certification program. Some exams are delivered and proctored at an **Accenture training facility** or by **kiosk**.

NOTE: The following points apply to proctored exams delivered at an **Accenture training facility**:

1. Participants who fail to show up for a scheduled exam at an Accenture training facility are recorded as a "no show." "No show" status is treated as an exam failure. Two exam failures result in the candidate being removed from the program.
2. When taking a scheduled exam at an Accenture training facility, arrive prior to the start time. Participants not starting the exam within 15 minutes of the scheduled start time are treated as "no-show" and are not permitted to take the exam that day.
3. Participants wishing to cancel themselves out of an exam session must do so a minimum of three days (72 hours) prior to the start of the scheduled session. **Note**: myCertification does **not** permit a candidate to cancel an exam session less than 72 hours of the scheduled start time.
4. Participants with legitimate reasons for not being able to appear for a scheduled exam session within the 72 hour window may contact their local training organization to request assistance in rescheduling their session.

NOTE: The following points apply to exams sessions delivered at a **kiosk**:

1. Participants who fail to show up for a scheduled exam at a kiosk are recorded as a "no show." "No show" status is treated as an exam failure. Two exam failures result in the candidate being removed from the program.
2. When taking a scheduled exam at a kiosk, arrive prior to the start time. Participants not starting the exam within 15 minutes of the scheduled start time are treated as "no-show" and are not permitted to take the exam that day.
3. **Kiosk Late/No-Show Policy:** Candidates who are late *or* do not show up for their exam are billed 100% of the exam fee. The fee is non-refundable, and your exam sponsor is notified that the appointment is billed as a no-show.
4. **Kiosk Cancellation and Refund Policy:** Participants wishing to cancel out of an exam session delivered via kiosk **must contact *Innovative Exams*** a minimum of one day (24 hours) in advance. A refund is provided only when you cancel or reschedule the exam prior to 24 hours of the original appointment.

Accenture Exam Security Policy

Exam Security Policy Acceptance

- **When I register for the exam I am agreeing to the following rules:**
  1. I must complete the exam in one sitting.
  2. As soon as I click the **Submit** button:
     a. my exam attempt starts; and
     b. there is no appeal process if my exam attempt is invalidated.
  3. I acknowledge and agree that Accenture does formally investigate all reports of any behavior that violates the integrity of the exam process ("**Serious Exam Misconduct**"). Serious Exam Misconduct includes (but is not limited to) the following types of behavior:
     a. violating exam content security by:

- o directly or indirectly sharing or publishing of any exam questions and/or answers before, during or after the exam session;
- o sharing questions from the exam through any means, including, but not limited to, email, text messages, audio or video capture and/or recording devices, smart phones or the Internet;
  b. impersonating another exam candidate (by taking the exam in another person's name, for example, by using another person's Enterprise ID);
  c. witnessing or encouraging the attempted impersonation of a candidate on an exam;
  d. practicing or encouraging inappropriate conduct such as:
    - o using any communication/recording device, including, but not limited to, smart phones, audio or video capture and/or recording devices, personal digital assistants (PDAs), Bluetooth-enabled devices, MP3 players, or email/messaging devices during the exam;
    - o carrying any communication/recording devices into the test-center room. (Note that if a candidate is observed using any of these devices during testing, he or she may be dismissed from the test-center room);
    - o consulting course materials, instructors or other participants, and/or any electronic device (including, but not limited to, email/messaging devices or smart phones), or any other resource during the exam or during any unscheduled exam breaks;
    - o carrying any course materials relevant to the exam into the test-center room;
    - o attempting to give or receive assistance, or otherwise communicate through any means with another person about the exam content during the exam administration;
    - o having a conversation with other participants in the test-center room during the exam.
4. If I complete the exam in a shorter period of time than allotted (or I decide not to complete it), I should inform the exam proctor, turn in all scratch paper that I used, and quietly leave the exam room.
5. I understand Accenture may perform statistical, forensic analysis on my exam attempt as part of Accenture's effort to detect testing irregularities.
6. I acknowledge and agree that Accenture reserves the right to cancel any exam score if, in its sole opinion, there is reason to question its validity on the basis of any actual or potential Serious Exam Misconduct.
7. I understand that I have the "duty to report" any behaviors I notice that are potential test security violations to the certexam.support mailbox (certexam.support@accenture.com).

I understand that Serious Exam Misconduct violates our core values, undermines the validity of the certification exam process, and damages the credentials of those who have successfully passed certification exams. I understand that Serious Exam Misconduct could also, in certain circumstances, seriously damage the relationship we have with our clients and others with whom we do business, and could adversely affect Accenture's reputation.

Therefore, I acknowledge and agree that if I engage (or plan or attempt to engage) in any Serious Exam Misconduct, I will be subject to disciplinary investigation and disciplinary action, up to and including termination of employment. I understand and acknowledge that any disciplinary matter is dealt with in accordance with any local country laws that set out the scope and procedure for investigating, and dealing with, such issues.