Question No : 52 of 52 Marks: 5 (Budgeted Time 10 Min)

Briefly explain any two types of precedence constraints that we can use in DTS.

Answer (Please click here to Add Answer)

PAGE 395

Precedence constraints sequentially link tasks in a package. In DTS, you can use three types of precedence constraints, which can be accessed either through DTS Designer or programmatically:

Unconditional: If you want Task 2 to wait until Task 1 completes, regardless of the outcome, link Task 1 to Task 2 with an *unconditional precedence* constraint.

On Success: If you want Task 2 to wait until Task 1 has successfully completed, link Task 1 to Task 2 with an *On Success precedence* constraint.

On Failure: If you want Task 2 to begin execution only if Task 1 fails to execute successfully, link Task 1 to Task 2 with an *On Failure precedence* constraint. If you want to run an alternative branch of the workflow when an error is encountered, use this constraint.

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Marks: 5 (Budgeted Time 10 Min)

Question No : 51 of 52

We have seen many issues during Data Acquisition & Cleansing in Agriculture Data Warehouse Case Study. In your point of view why those issues have arisen? Briefly explain.

Answer (Please click here to Add Answer)

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chapter 38 page 340
read the context

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51

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Live Search

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Question No : 50 of 52 **Marks: 5 (Budgeted Time 10 Min)**

What is clustering? How it can be used in **Telecom Industry** for targeted sale promotion?

Answer (Please click here to Add Answer)

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Clustering: Identify outlier records using clustering based on Euclidian (or other) distance. Existing clustering algorithms provide little support for identifying outliers. However, in some cases clustering the entire record space can reveal outliers that are not identified at the field level inspection. The main drawback of this method is computational time. The clustering algorithms have high computational complexity. For large record spaces and large number of records, the run time of the clustering algorithms is prohibitive.

PAGE 164 and 236

Cluster Index: Concept

- A Cluster index defines the sort order on the base table.
- Ordering may be strictly enforced (guaranteed) or opportunistically maintained.
- At most one cluster index defined per table.
- Cluster index may include one or multiple columns.
- Reduced I/O.

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Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

In Most of the retail banks 50 % of the customers are unprofitable. By considering this situation, which particular application of DWH can help the banks to improve the business and how?

Answer (Please click here to Add Answer)

PAGE 37

Profitability Analysis

- Banks know if they are profitable or not.
- Don't know which customers are profitable.
- Typically more than 50% are NOT profitable.
- Don't know which one?
- Balance is not enough, transactional behavior is the key.
- Restructure products and pricing strategies.
- Life-time profitability models (next 3-5 years).

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Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

We can identify the Session in Word Wide Web by using "Time-contiguous Log Entries" however there are some limitations of this technique. Briefly explain any two limitations.

Answer (Please click here to Add Answer)

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PAGE 365

Limitations

- This method breaks down for visitors from large ISPs because different visitors may reuse dynamically assigned IP addresses over a brief time period.
- Different IP addresses may be used within the same session for the same visitor.
- This approach also presents problems when dealing with browsers that are behind some firewalls.

Notwithstanding these problems, many commercial log analysis products use this method of session tracking, which requires no cookies or special Web server features.

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Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

Briefly explain the three Major Approaches for accessing the information stored on the Web.

Answer (Please click here to Add Answer)

PAGE 350

Currently, users can choose from three major approaches when accessing information stored on the Web:

(i) ***Keyword-based search*** or topic-directory browsing with search engines such as Google or Yahoo, which use keyword indices or manually built directories to find documents with specified keywords or topics;

(ii) ***Querying deep Web sources***—where information, such as amazon.com's book data and realtor.com's real-estate data, hides behind searchable database query forms—that, unlike the surface Web, cannot be accessed through static URL links; and

*(iii)****Random surfing*** that follows Web linkage pointers.The success of these techniques, especially with the more recent page ranking in Googleand other search engines shows the Web's great promise to become the ultimate information system.

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Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

Identify the given statement as correct or incorrect and justify your answer in either case.

"In prediction, Test Data set is used to form the model and the associated rules."

Answer (Please click here to Add Answer)

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PAGE 261

First of all a model is built using exiting data. The existing data set is divided into two subsets, one is called the training set and the other is called test set. The training set is used to form model and the associated rules. Once model built and rules defined, the test set is used for grouping. It must be noted the test set groupings are already known but they are put in the model to test its accuracy.

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Marks: 3 (Budgeted Time 6 Min)

Question No : 45 of 52

Identify the given statement as correct or incorrect and justify your answer in either case.

"If defects are found in the process of Attribute Domain Validation then it is better to fix the errors in DWH and leave the data source as it is".

Answer (Please click here to Add Answer)

PAGE 190

Step-3: Once the defects are found, go and track them down back to source cause(s). Point to be noted is that, if at all possible, fix the problem in the source system. People have the tendency of applying fixes in the DWH. This is a wrong i.e. if you are fixing the problems in the DW; you are not fixing the root cause. A crude analogy would clarify the point. If you keep cleaning the lake, and keep on flushing the toilet in the lake, you are not solving the problem. The problem is not being fixed at the source system, therefore, it will persist.

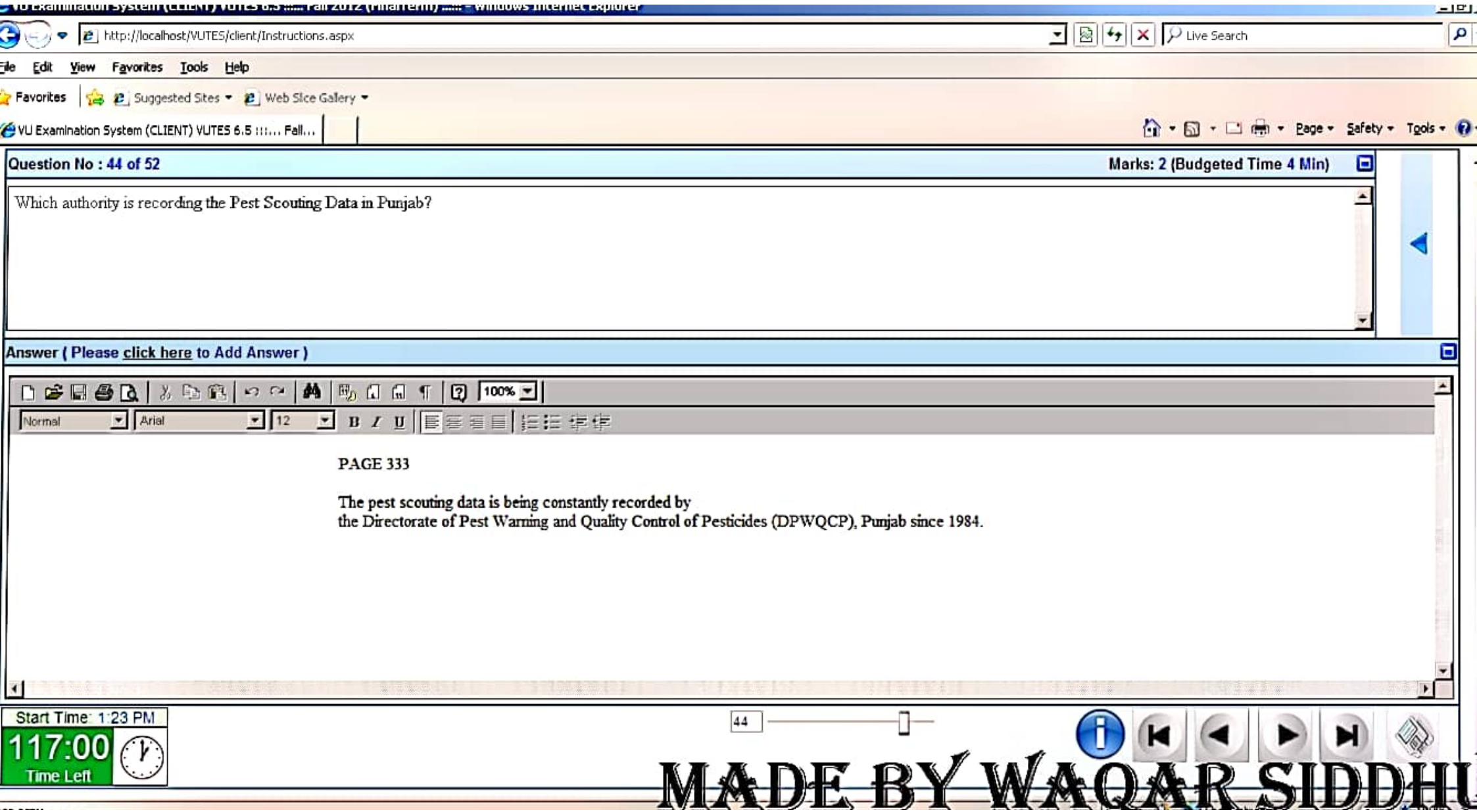
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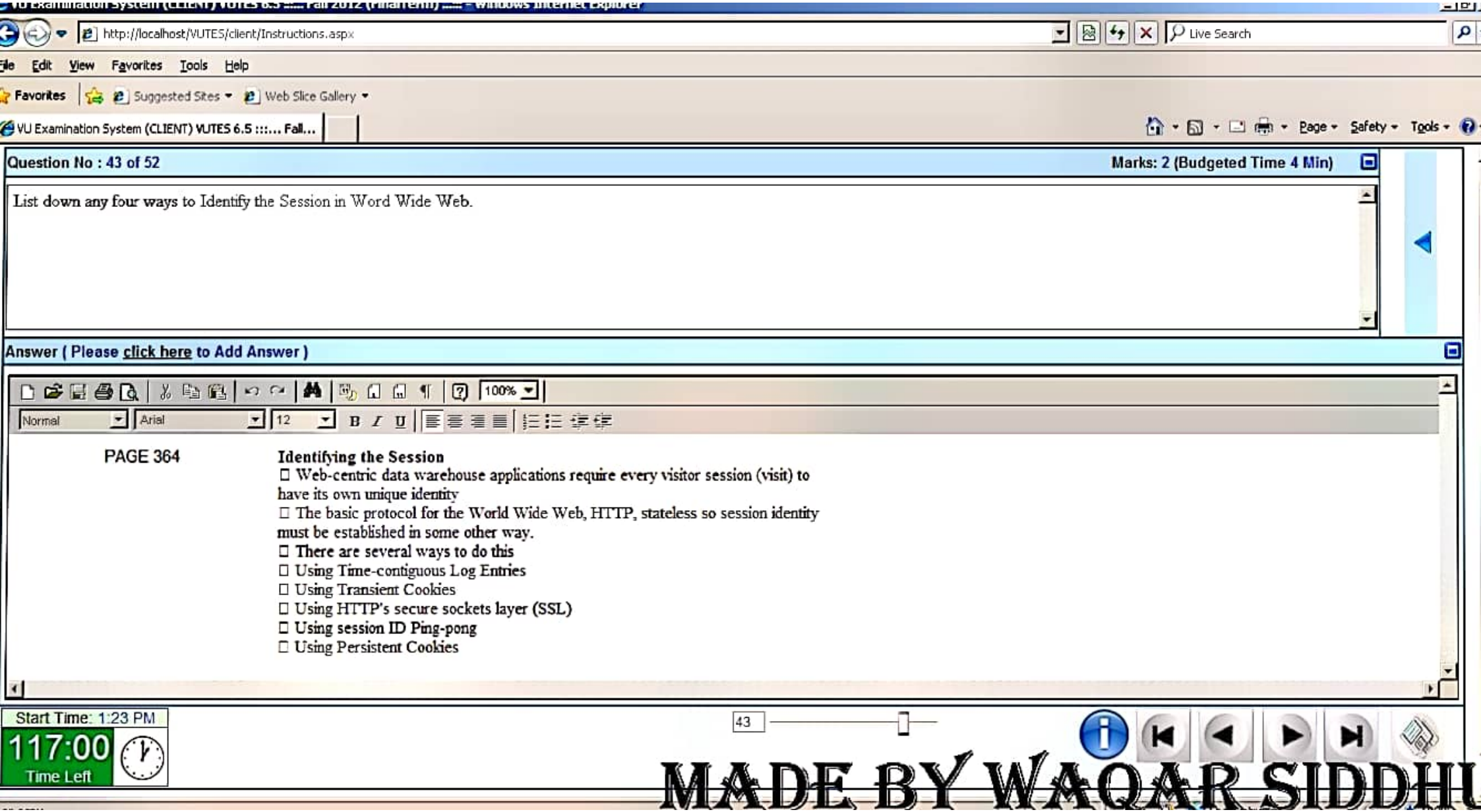
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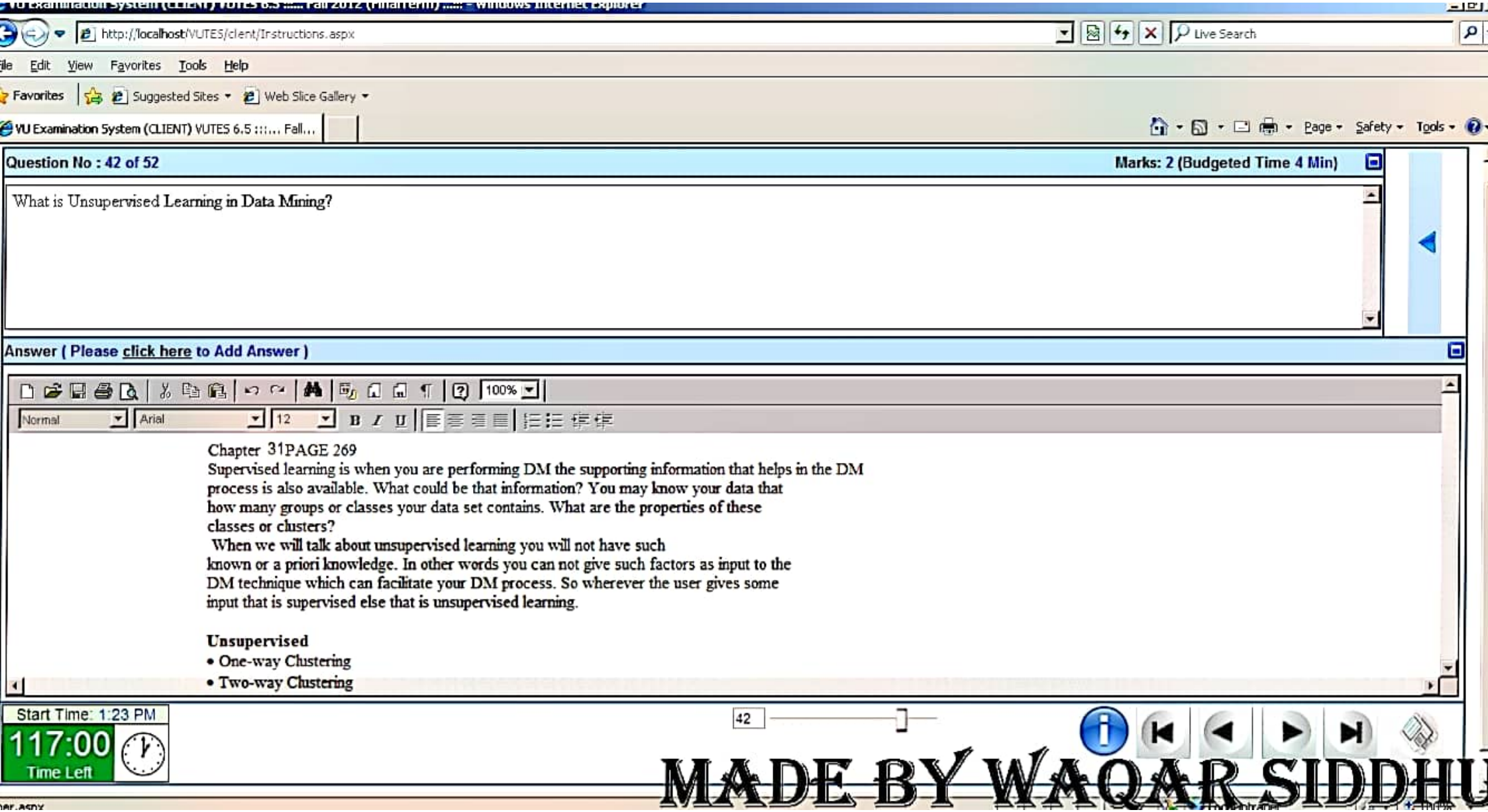
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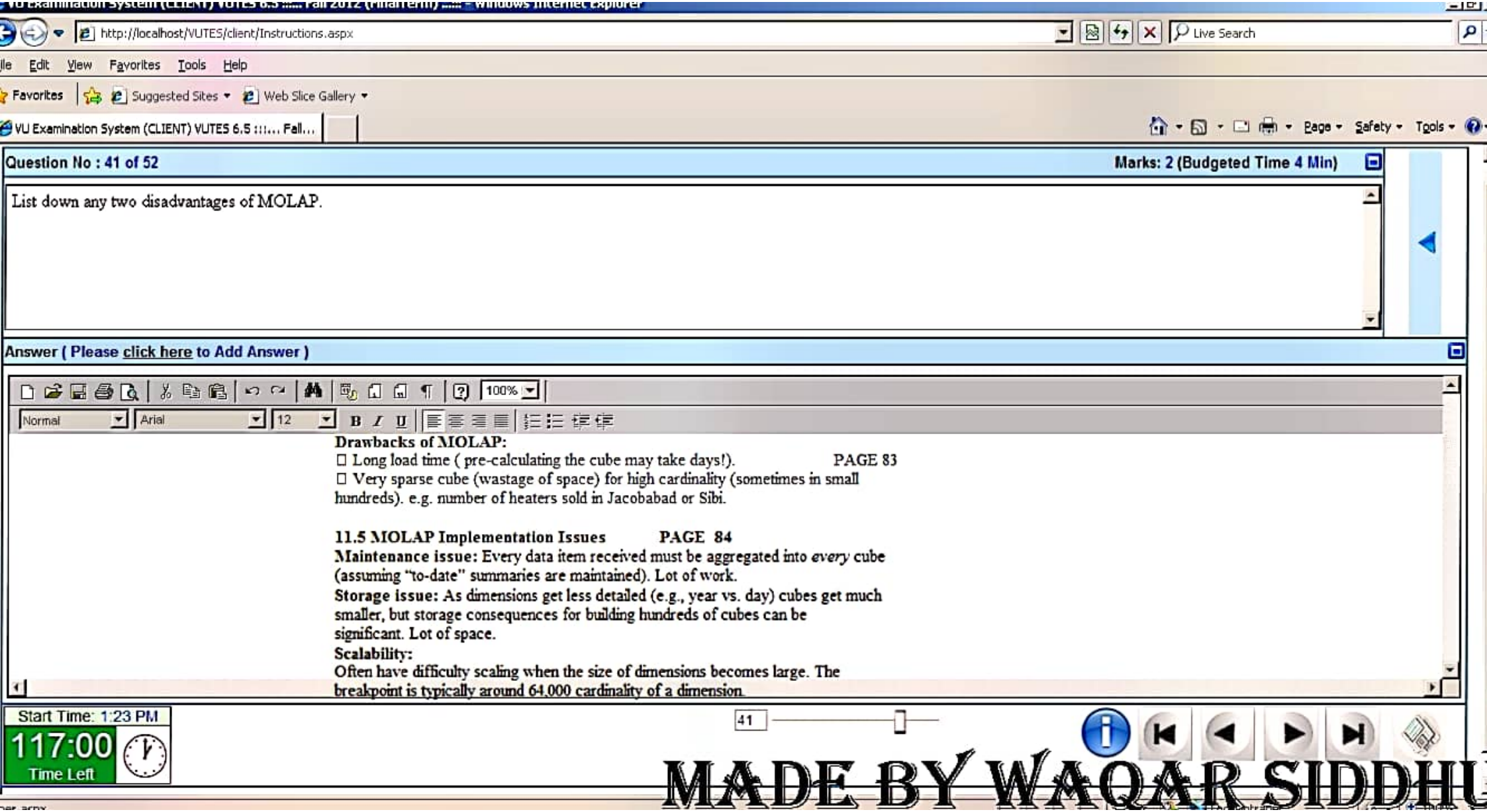
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Marks: 1 (Budgeted Time 1 Min)

Question No : 40 of 52

It is observed that every year the amount of data recorded in an organization

Answer (Please select your correct option)

- Doubles
- Triples
- Quartiles
- Remains same as previous year

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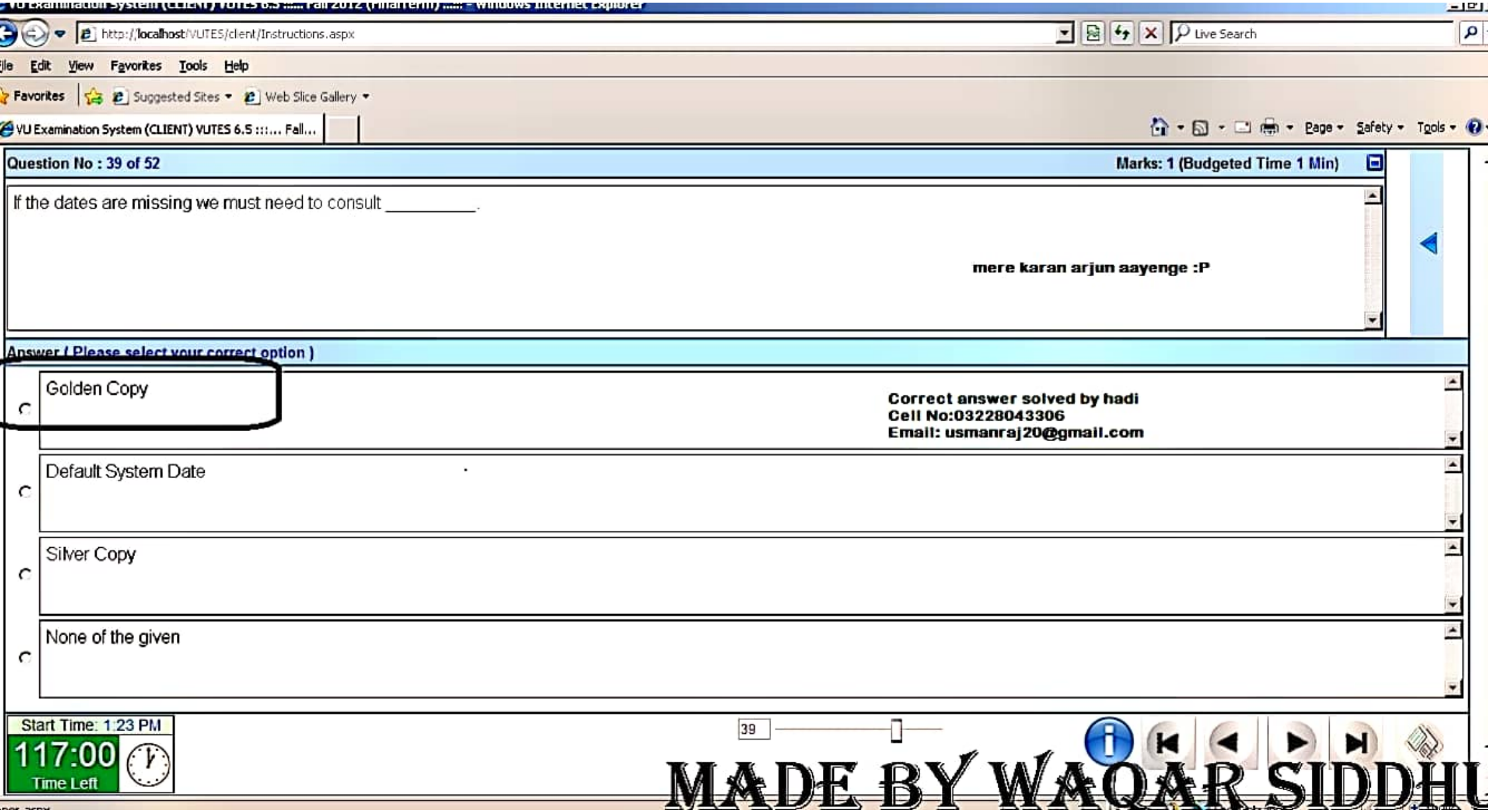
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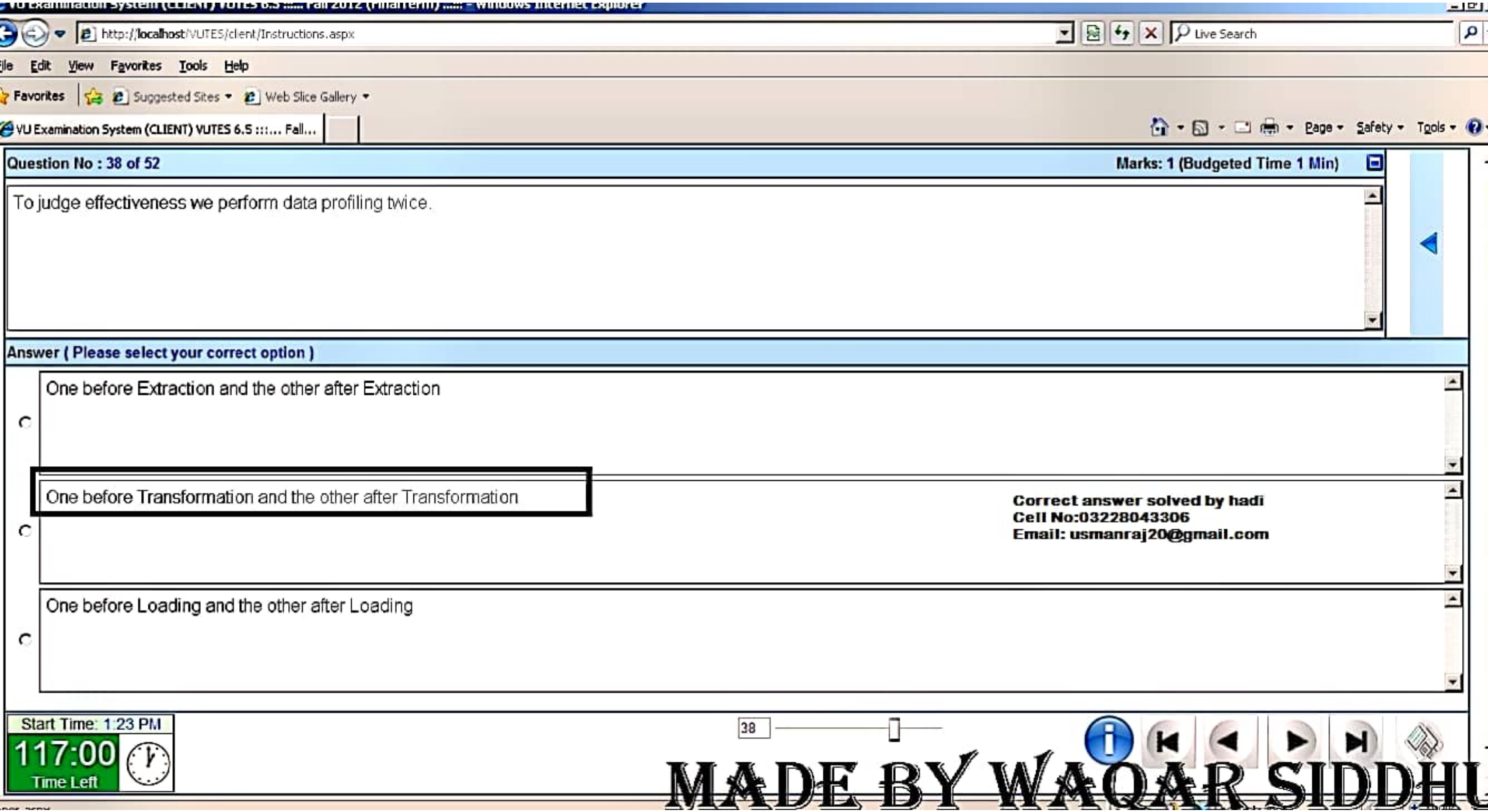
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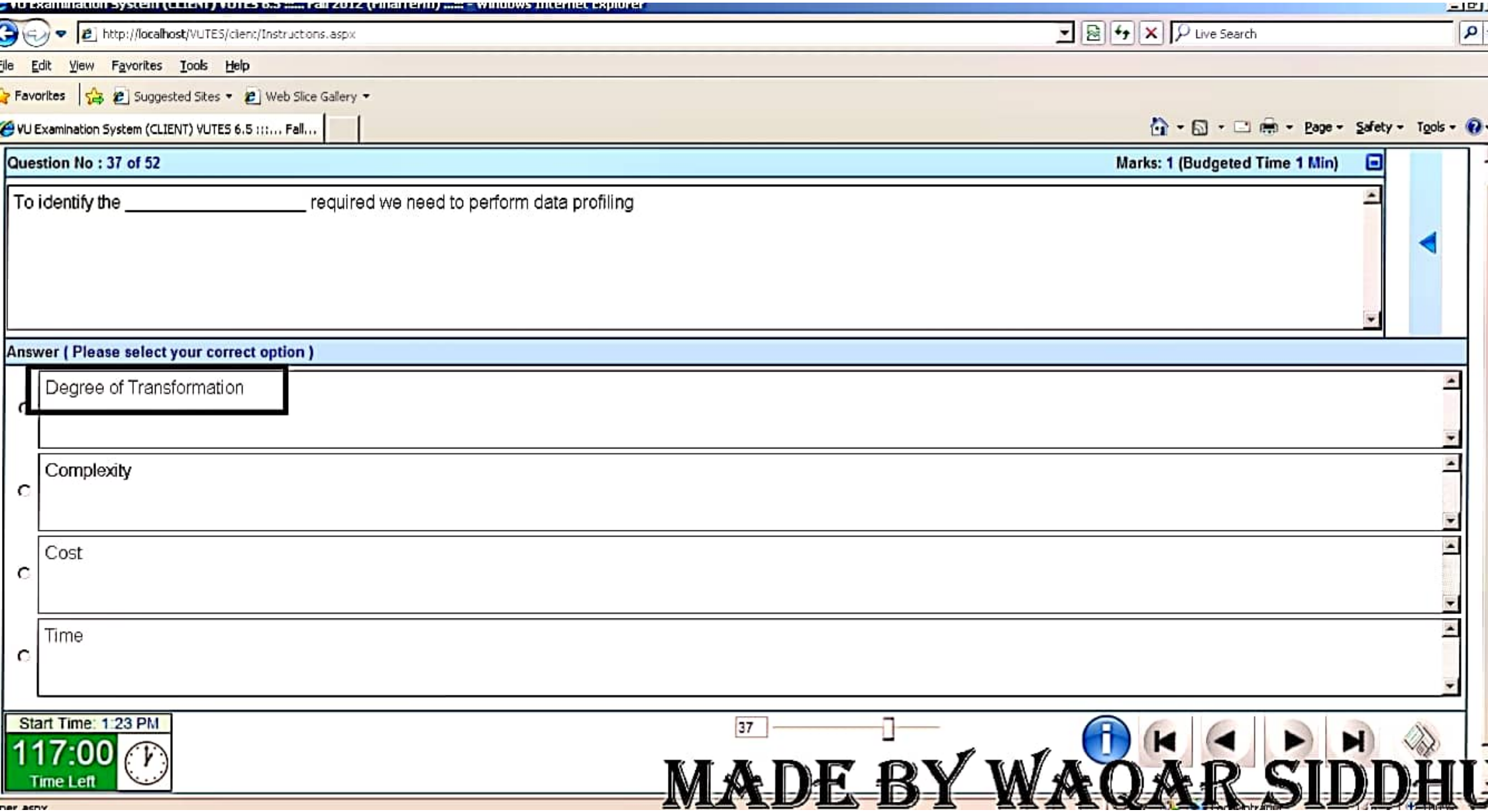
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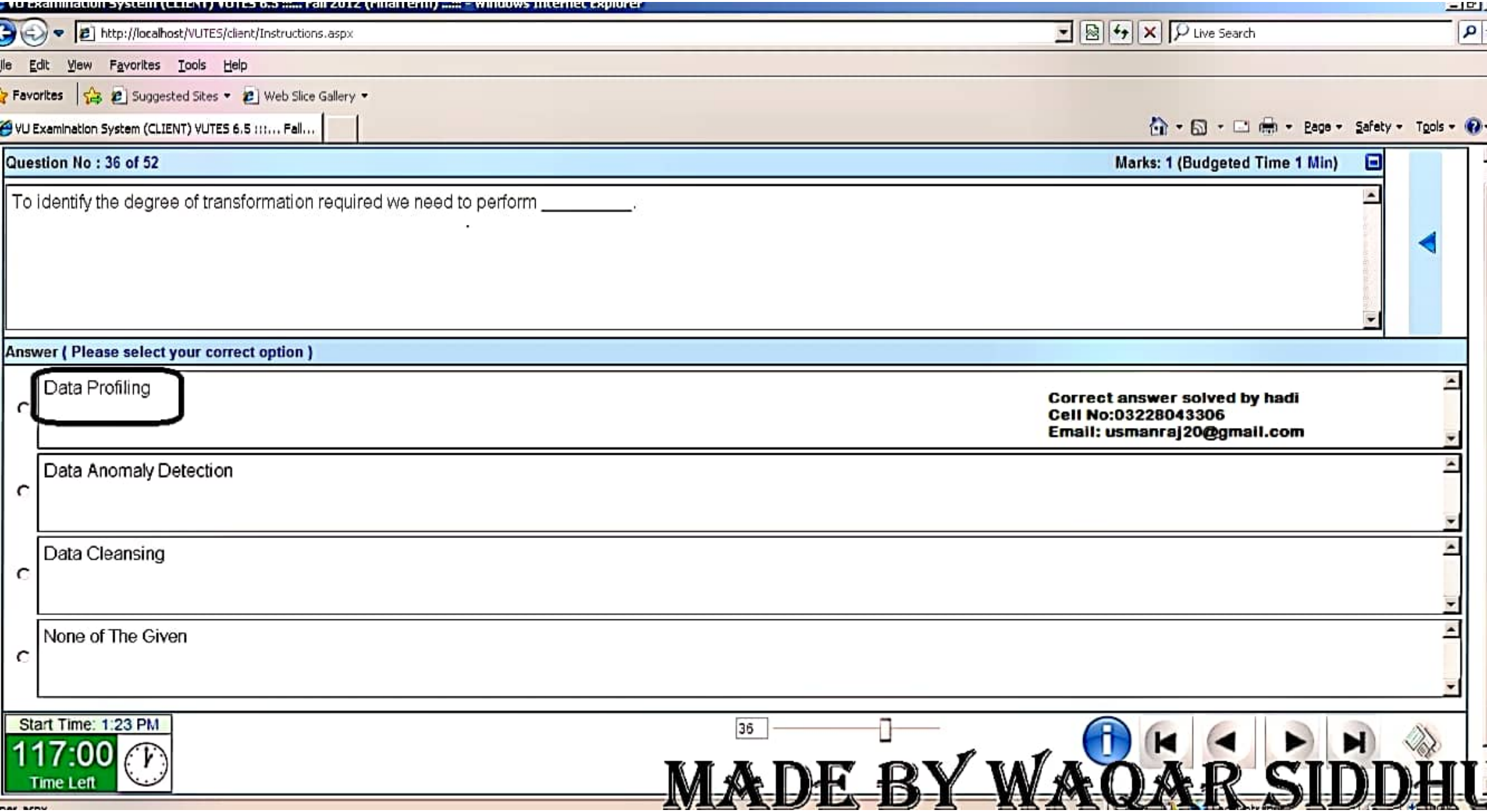
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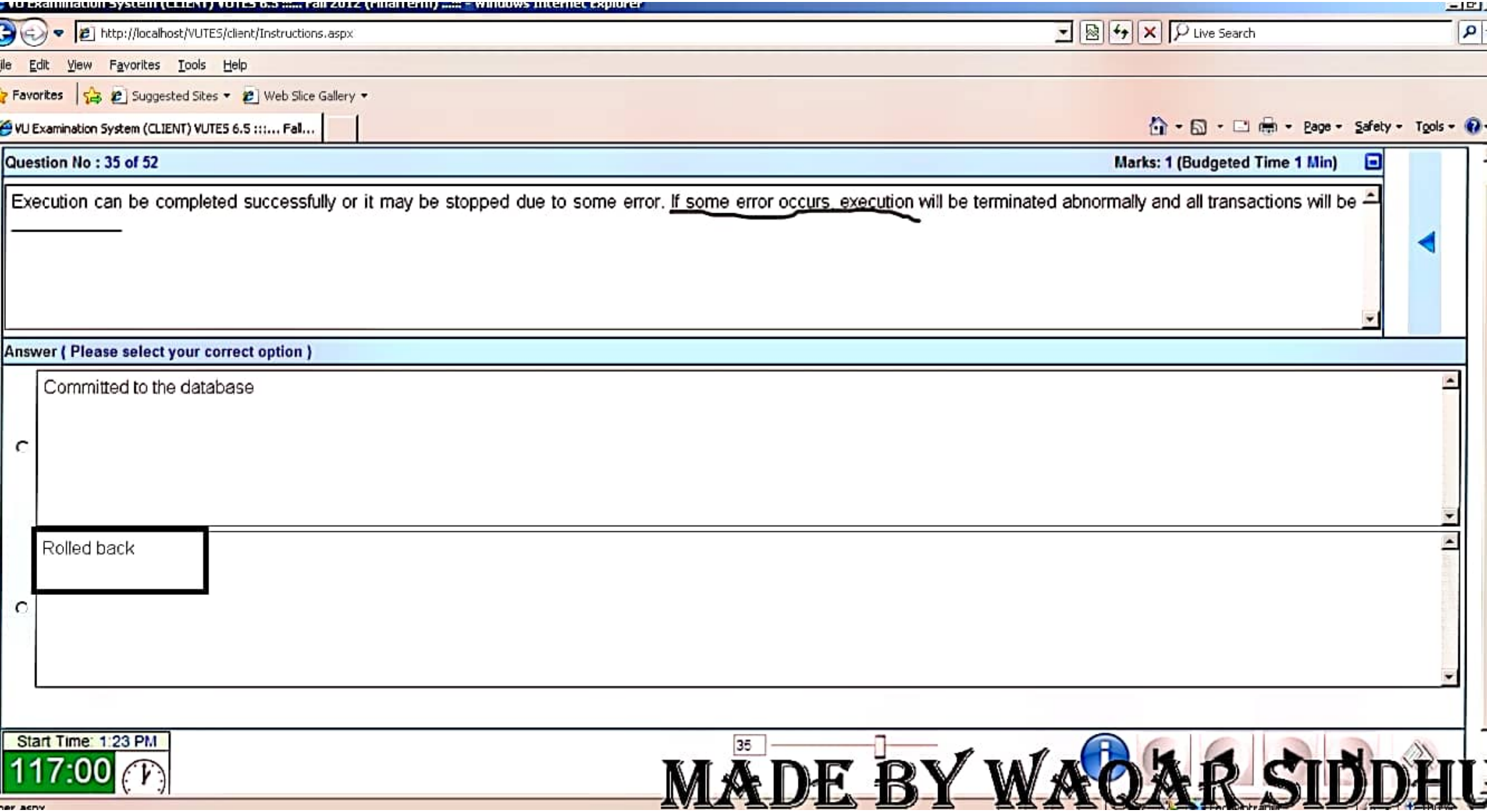
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Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

If some error occurs, execution will be terminated abnormally and all transactions will be rolled back. In this case when we will access the database we will find it in the state that was before the _____.

Answer (Please select your correct option)

- Execution of package

Correct answer solved by hadi
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- Creation of package
- Connection of package

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Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

Data Transformation Services (DTS) provide a set of tools that lets you extract, transform, and consolidate data from disparate sources into _____ supported by DTS connectivity.

Answer (Please select your correct option)

- Single Destination
- Multiple Destinations
- Single or Multiple Destinations

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Marks: 1 (Budgeted Time 1 Min)

Question No : 32 of 52

Primary key is repeated in _____ splitting

baby ko base
pasand hi

Answer (Please select your correct option)

Horizontal

Vertical

Correct answer solved by hadi
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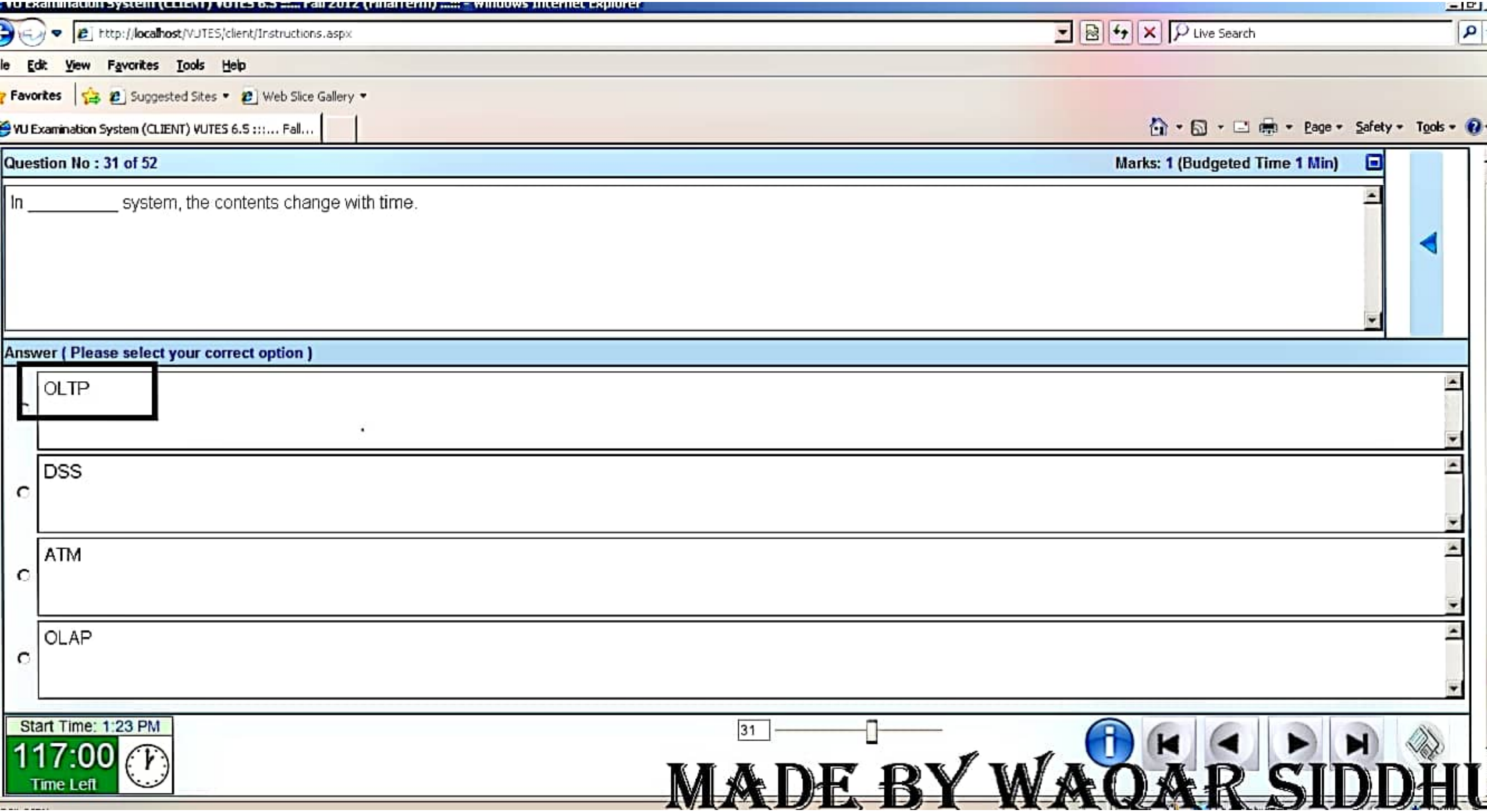
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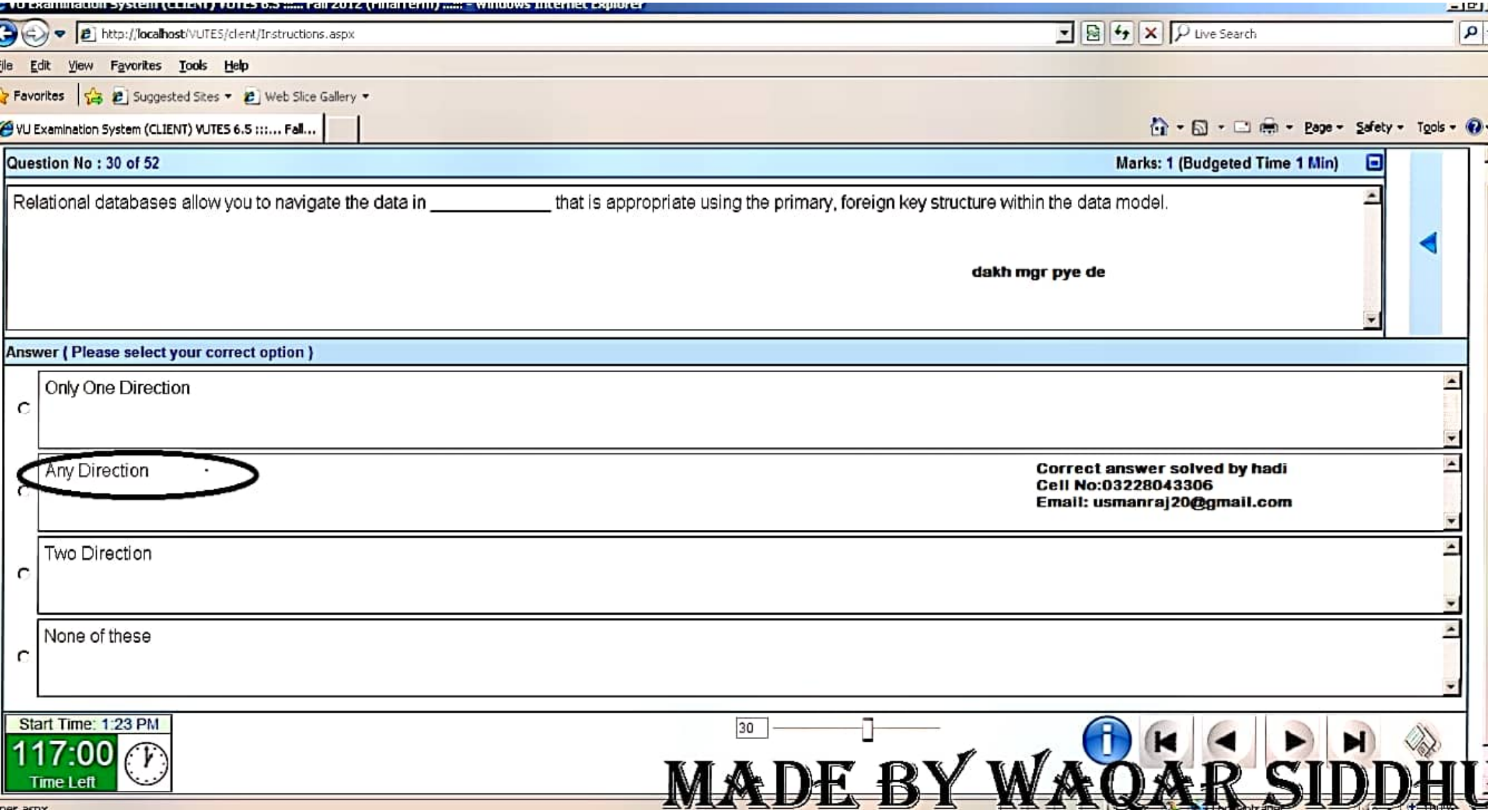
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Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is a process which involves gathering of information about column through execution of certain queries with intention to identify erroneous records.

Answer (Please select your correct option)

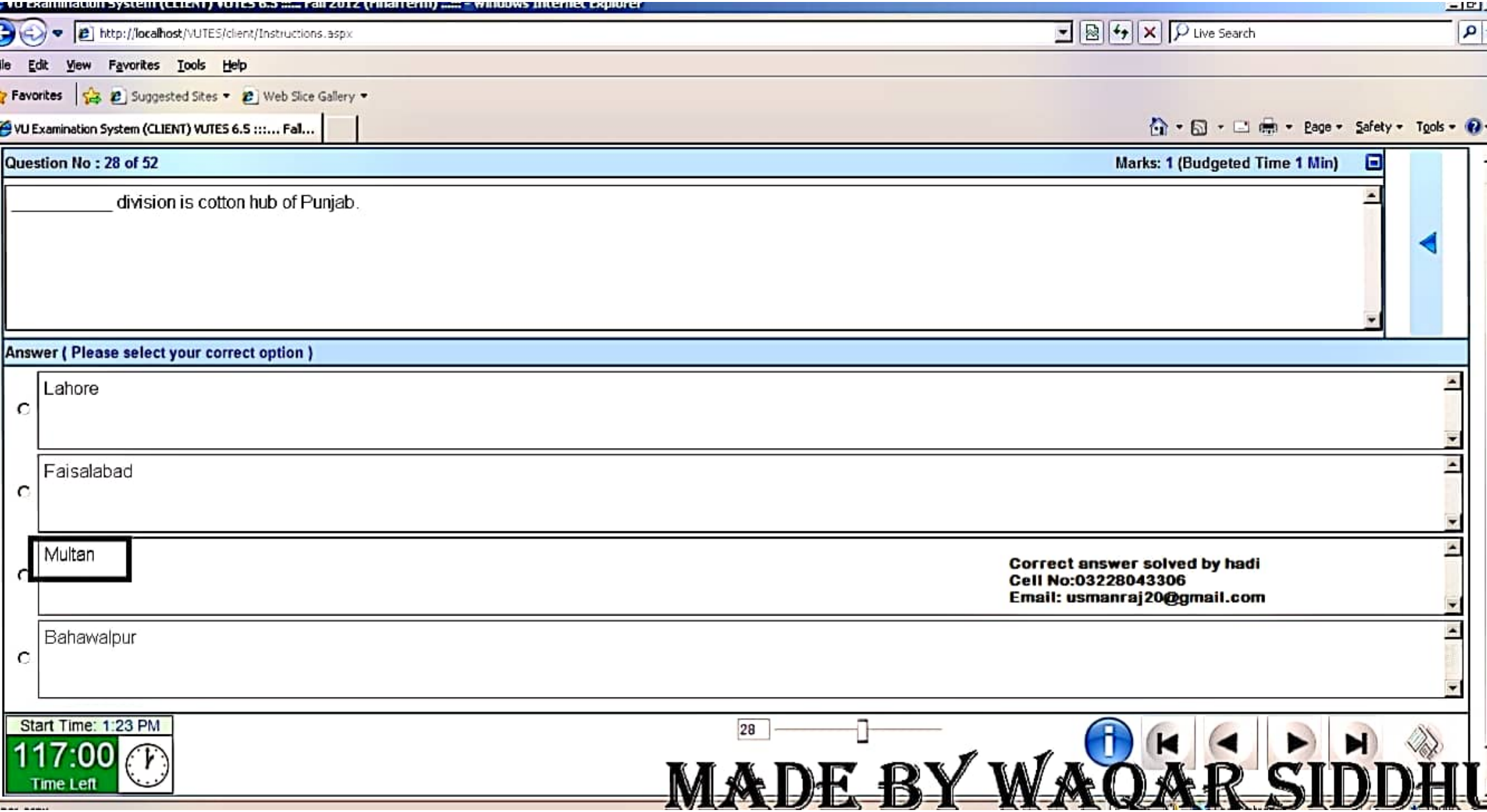
- Data profiling
- Data Anomaly Detection
- Record Duplicate Detection
- None of these

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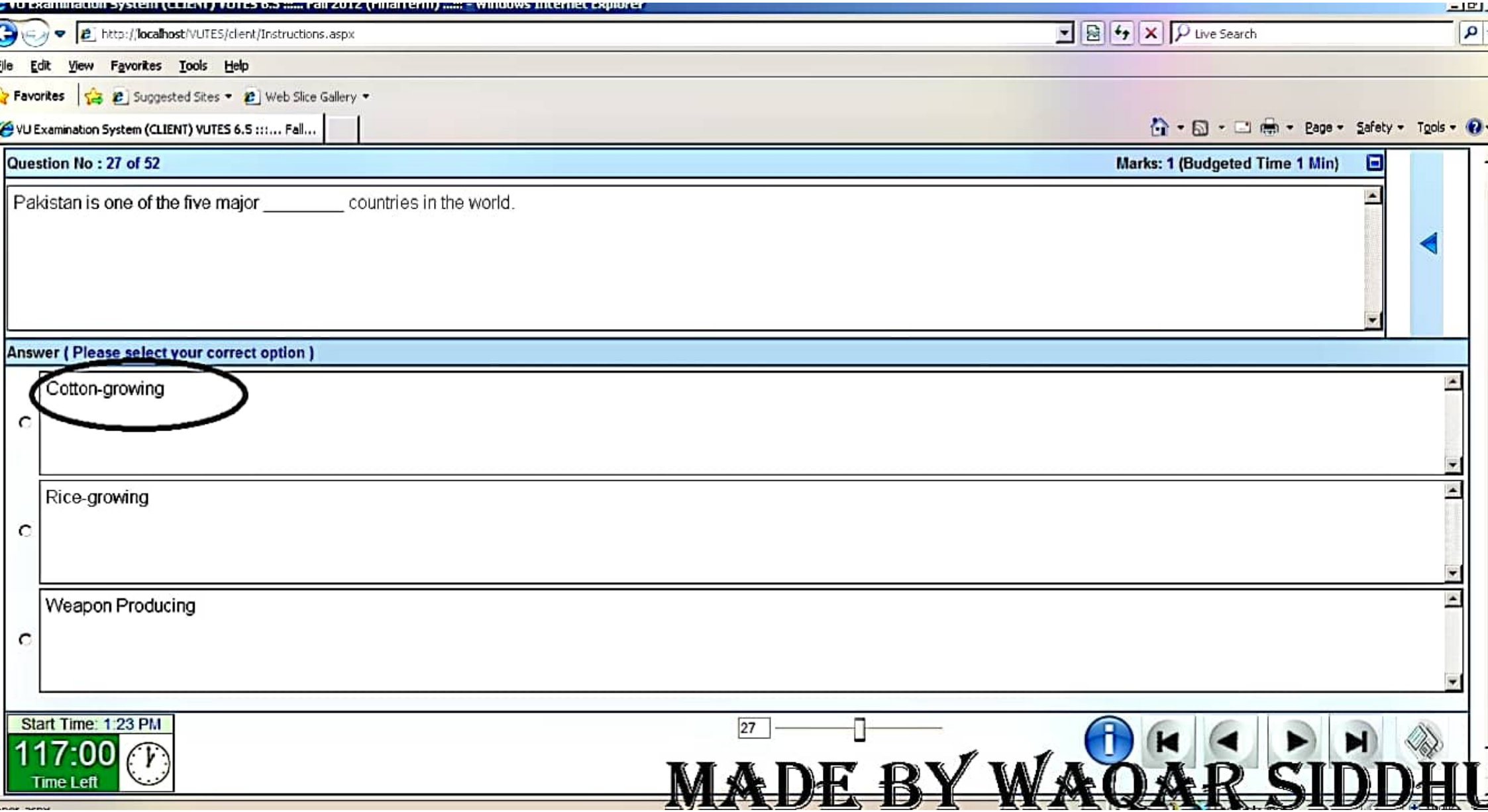
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Marks: 1 (Budgeted Time 1 Min)

Question No : 26 of 52

Investing years in architecture and forgetting the primary purpose of solving business problems, results in inefficient application. This is the example of _____ mistake.

Pitfall: Extremes of Tech. Arch. Design
Common mistake: Attacking the problem from two extremes, neither is correct.

Answer (Please select your correct option)

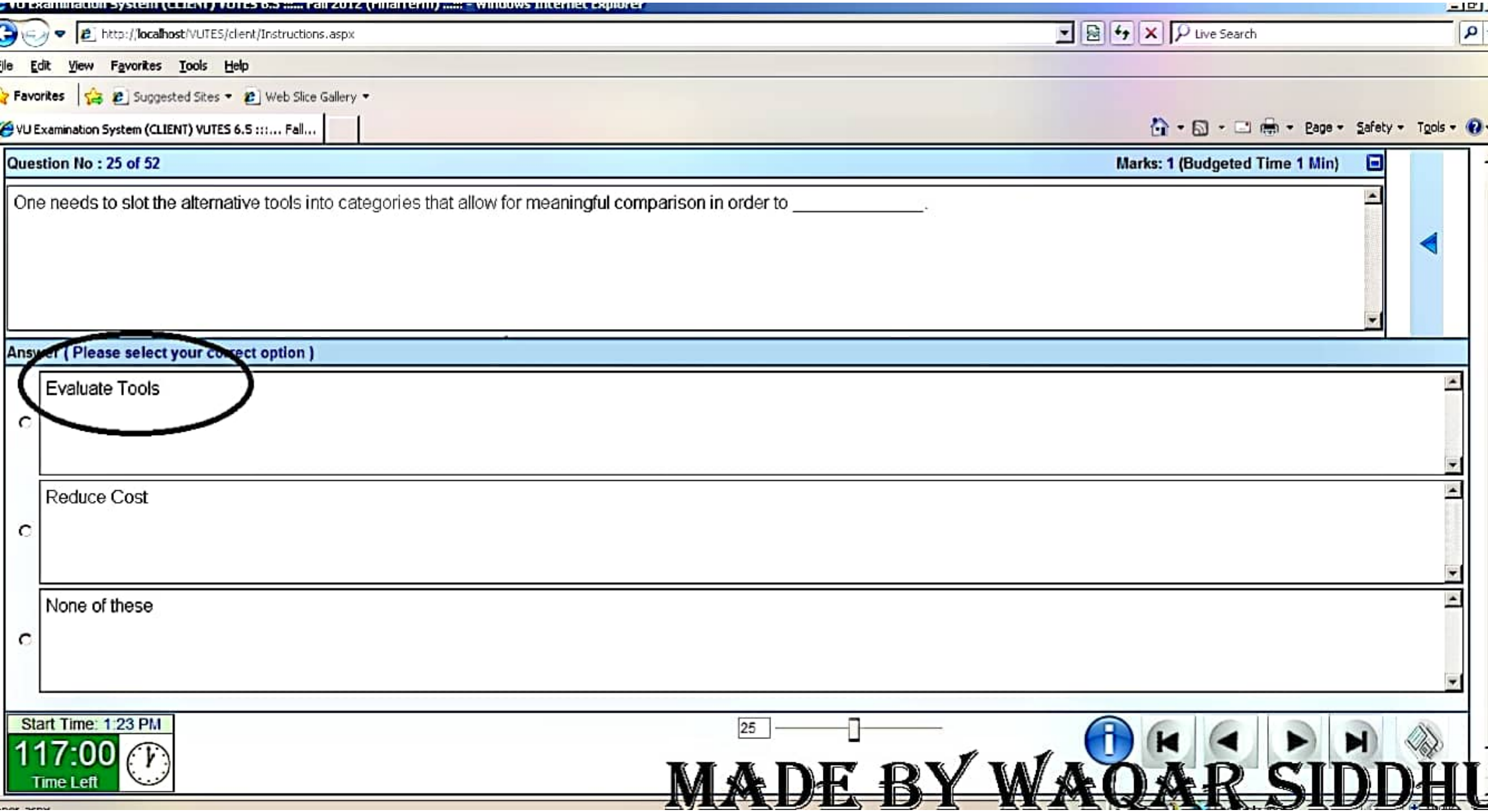
- Extreme Technology Design — ☐ Focusing on data warehouse delivery, architecture feels like a distraction and impediment to progress and often end up rebuilding. ☐ Investing years in architecture, forgetting primary purpose is to solve business problems, not to address any plausible (and not so plausible) technical challenge.
- Extreme Architecture Design
- None of these — **not sure :p**

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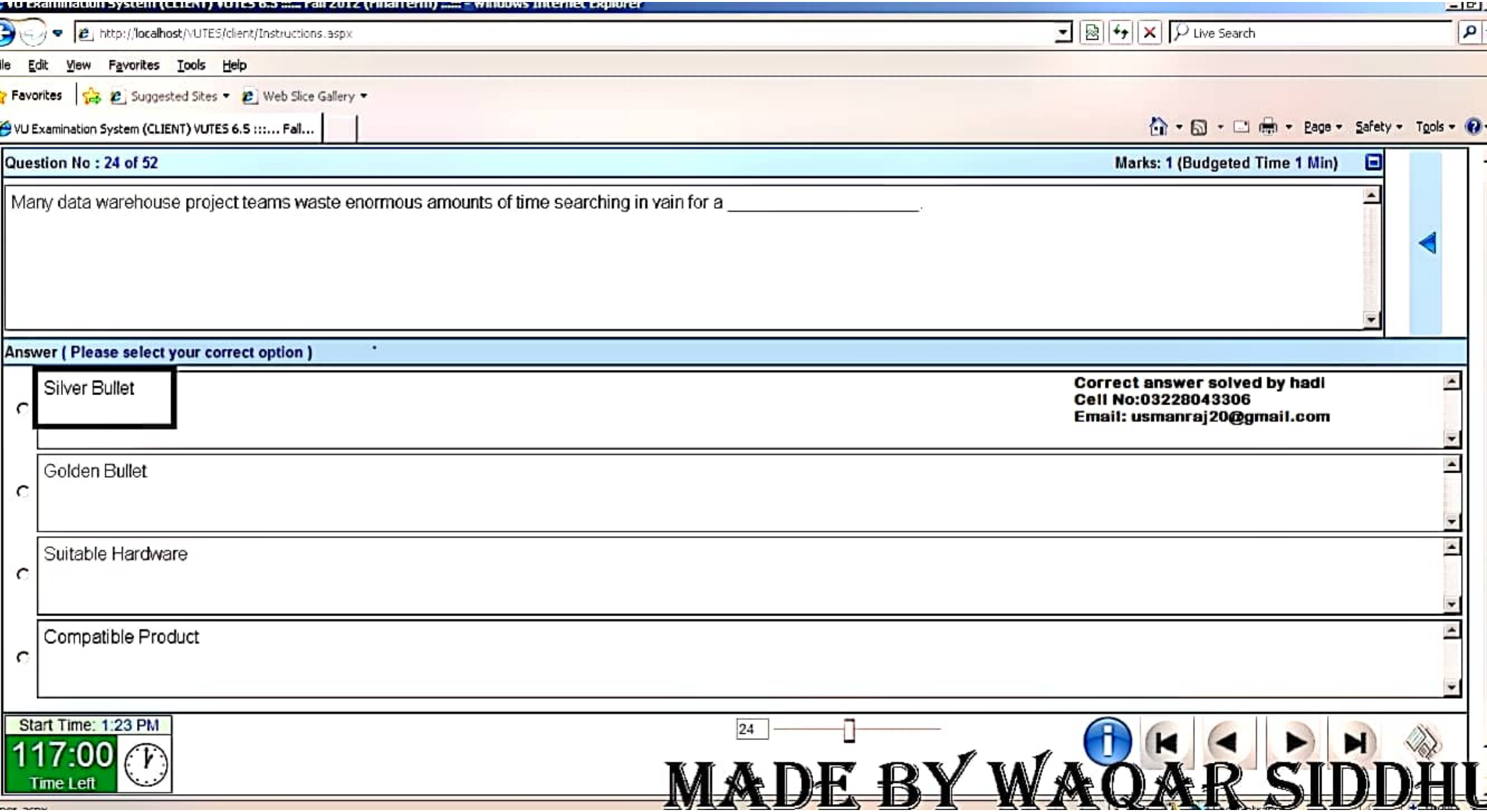
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Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

The application development quality-assurance activities cannot be completed until the data is _____.

Answer (Please select your correct option)

- Stabilized
- Identified
- Finalized
- Computerized

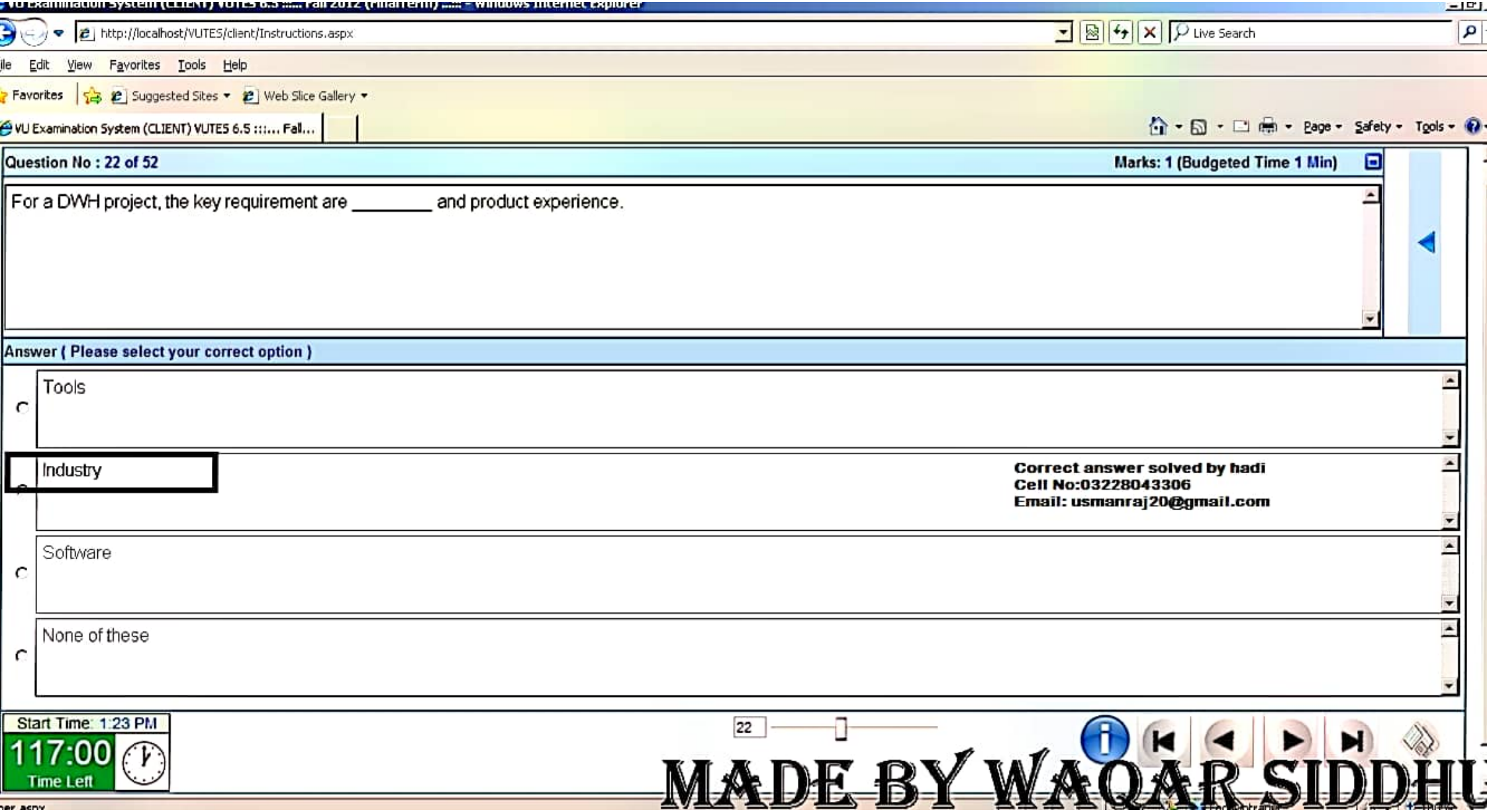
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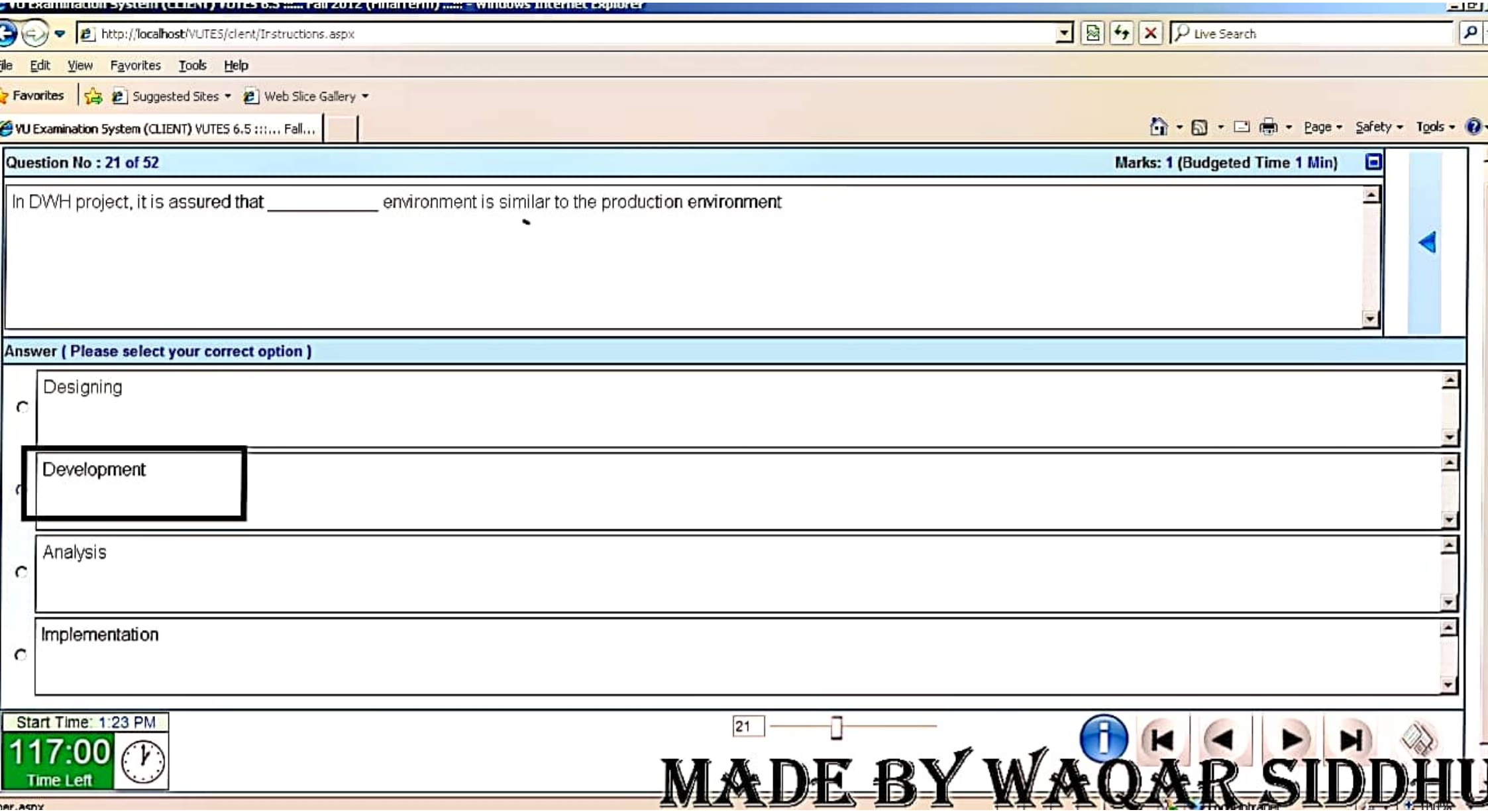
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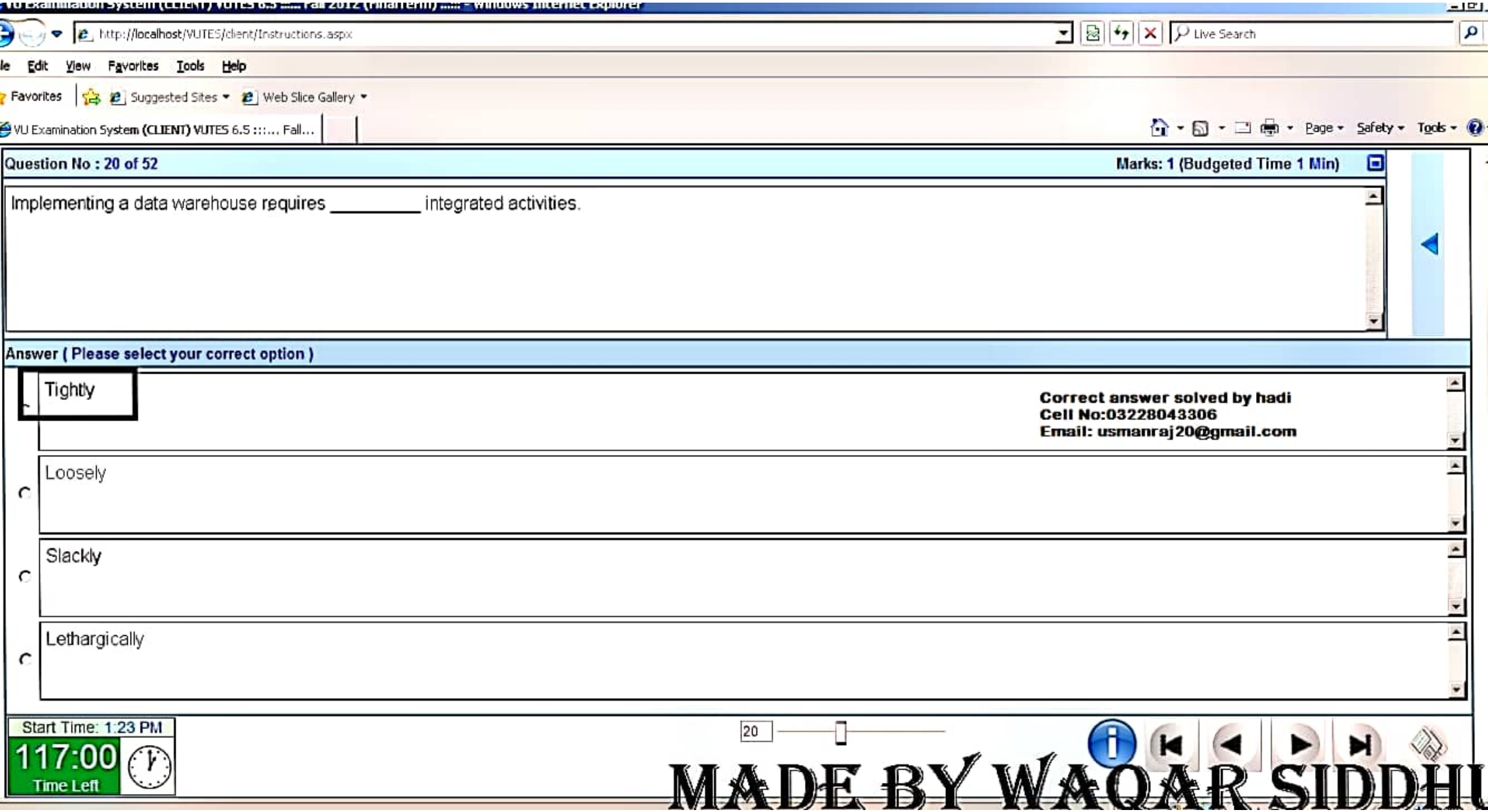
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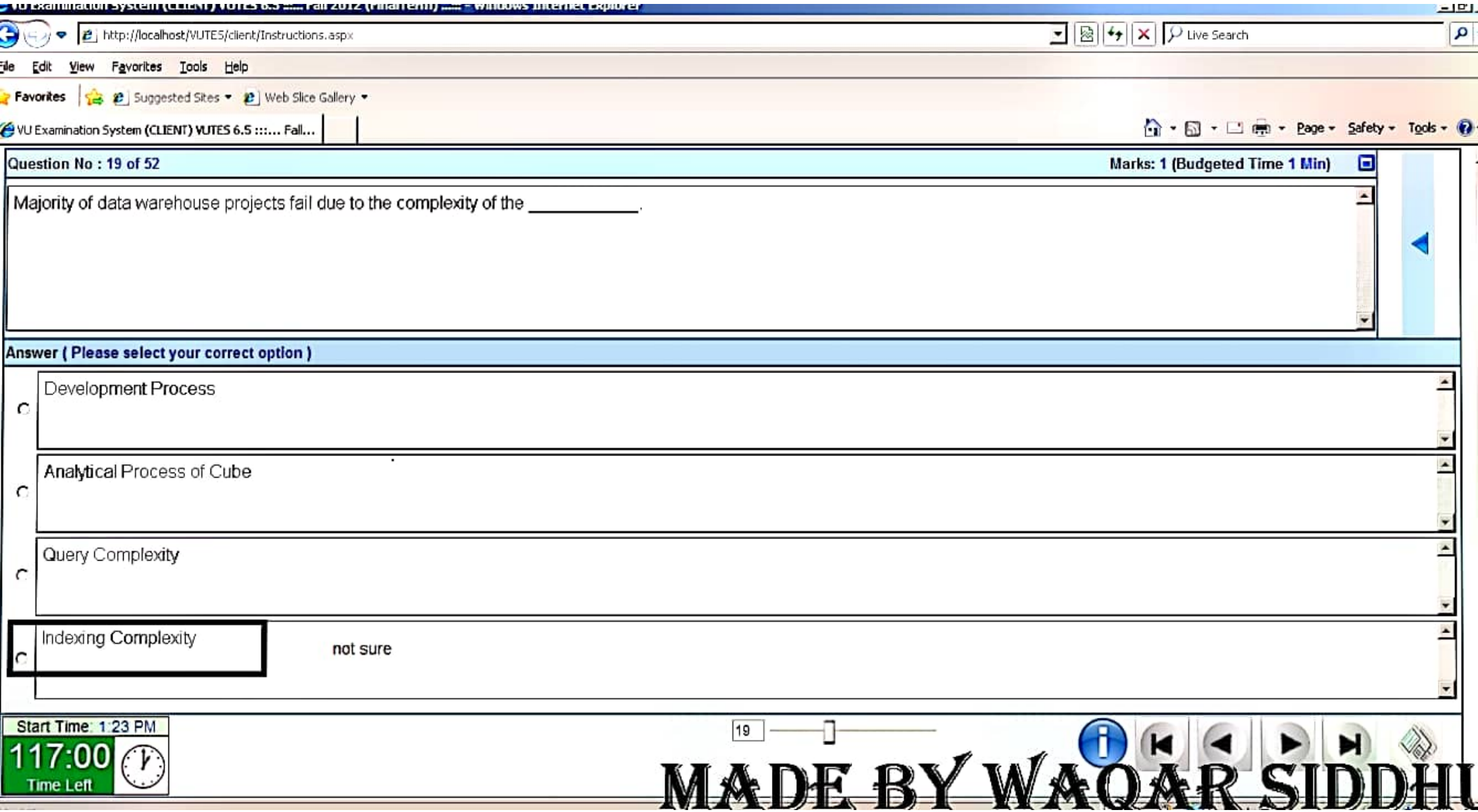
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Question No : 18 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is the technique in which existing heterogeneous segments are reshuffled, relocated into homogeneous segments.

Answer (Please select your correct option)

- Clustering

Correct answer solved by hadi
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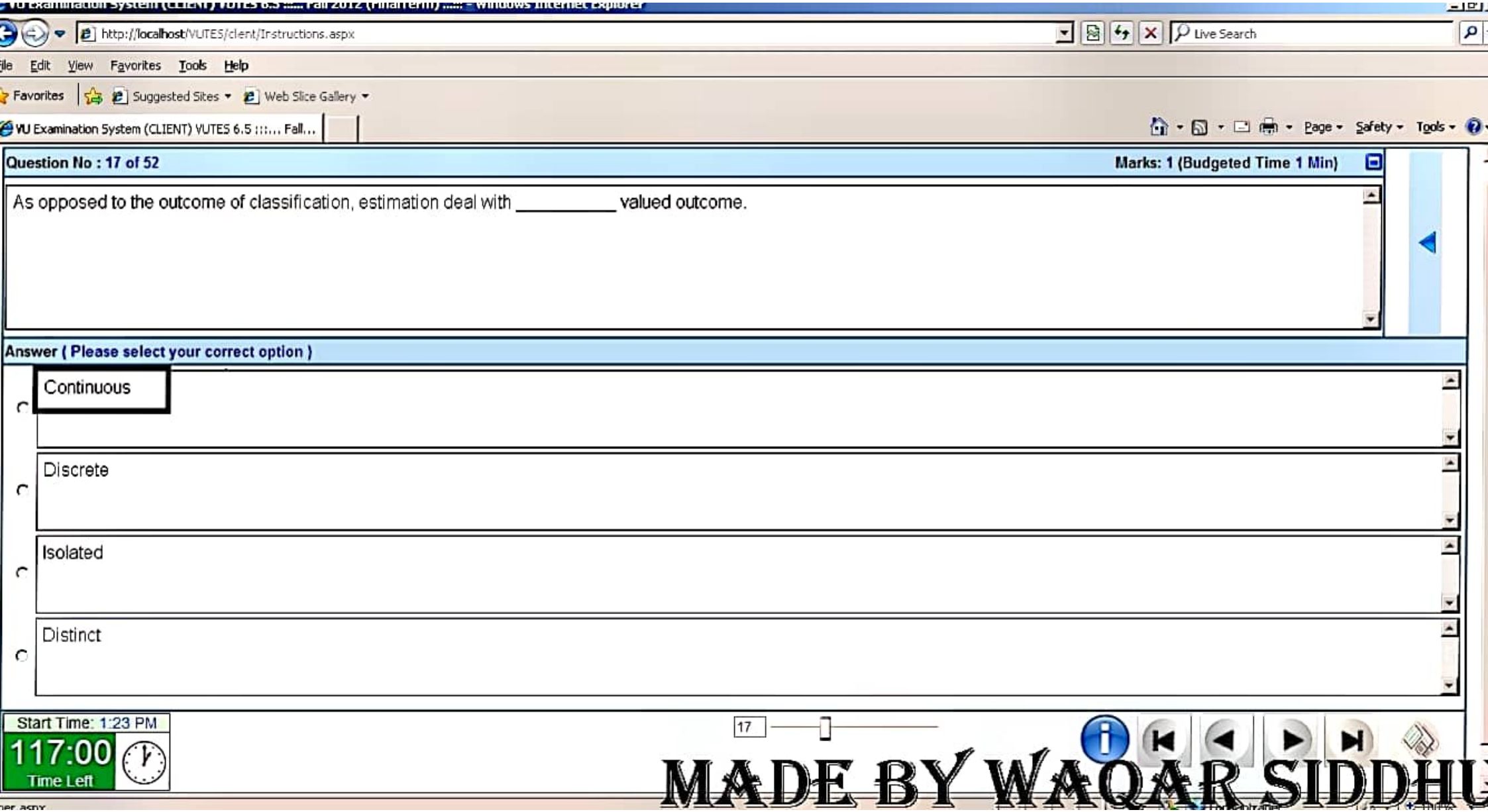
- Aggregation
- Segmentation
- Partitioning

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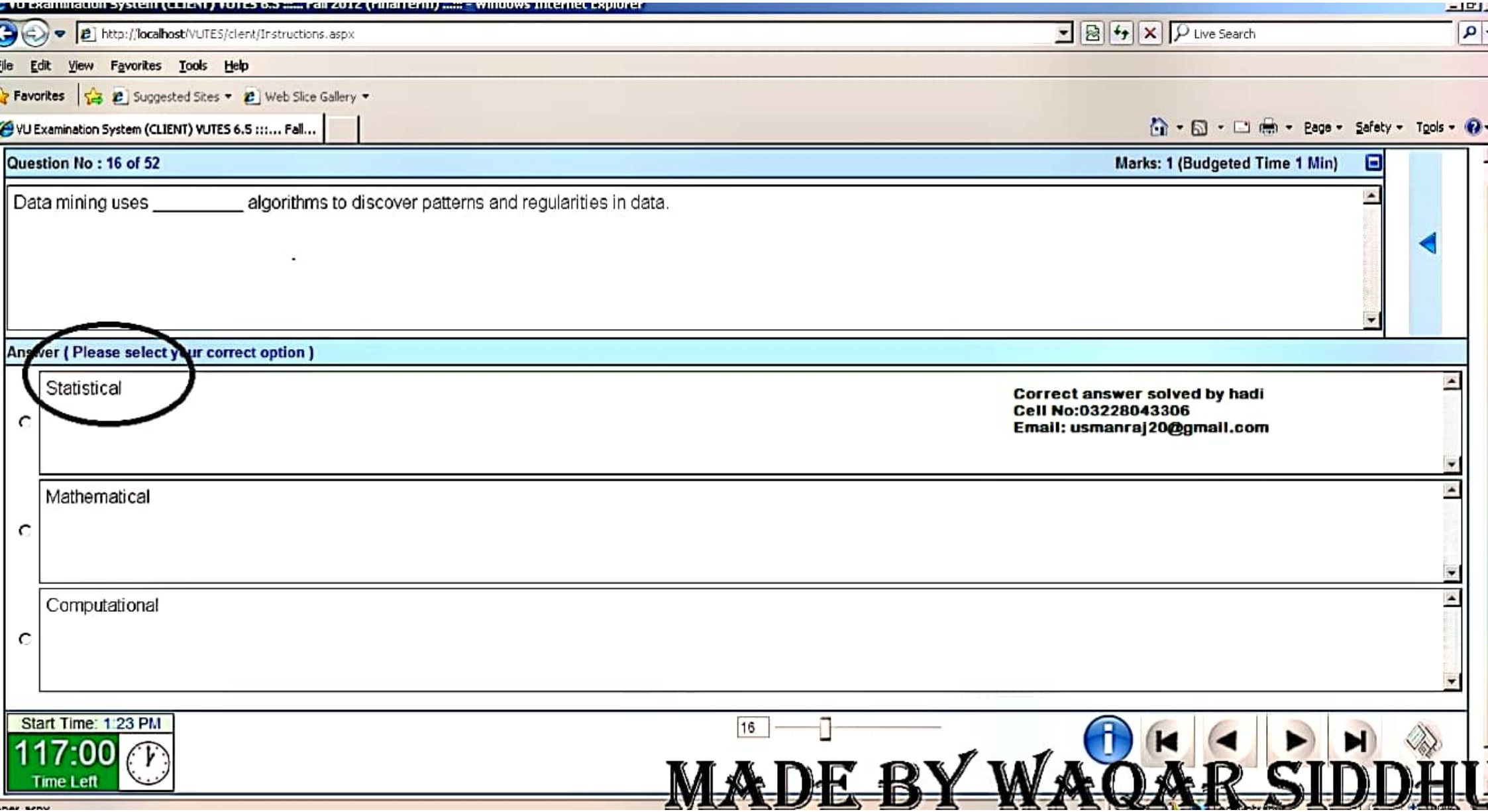
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Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

Data mining is a/an _____ approach, where browsing through data using data mining techniques may reveal something that might be of interest to the user as information that was unknown previously.

Answer (Please select your correct option)

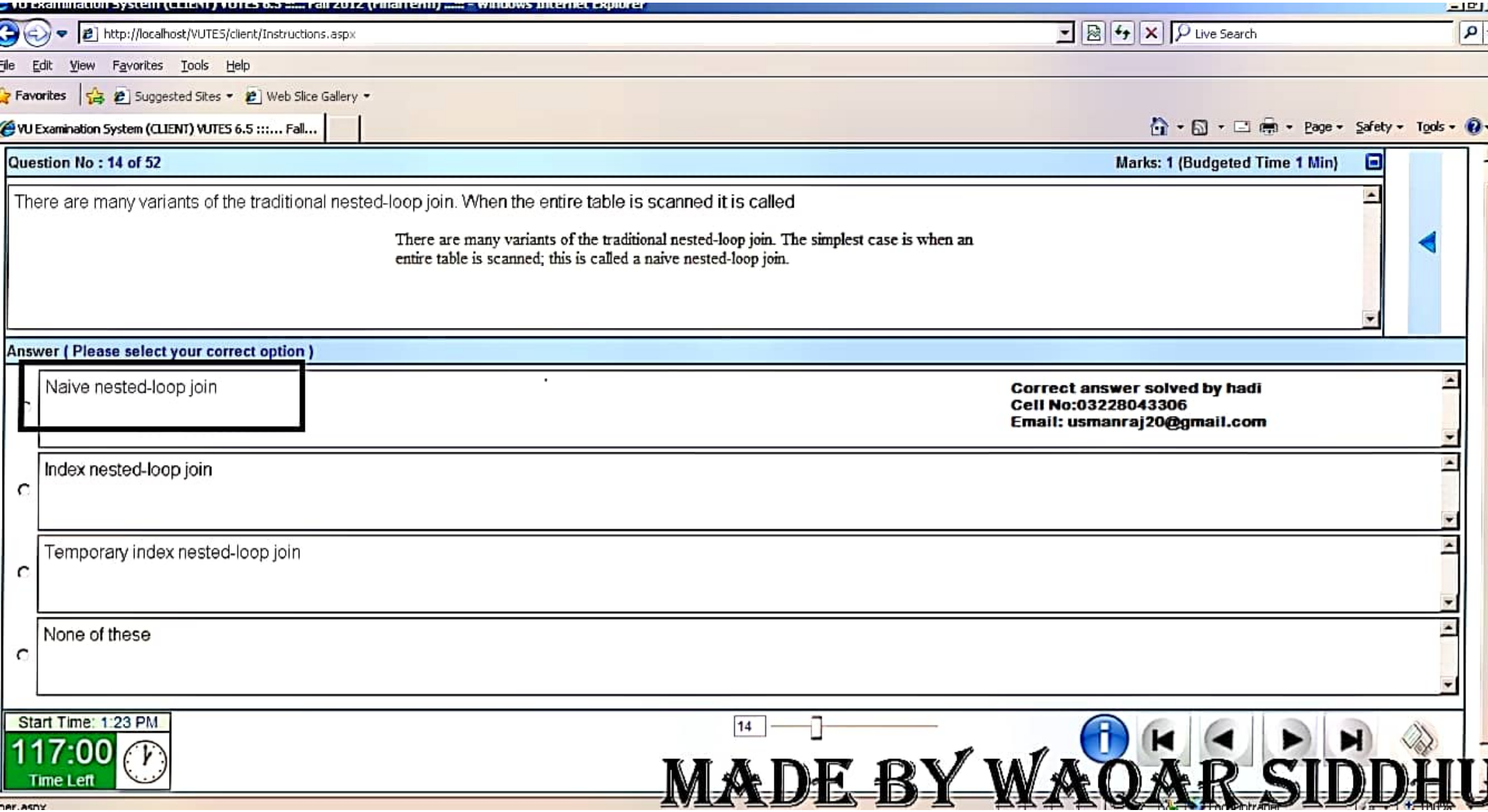
- Exploratory
- Non-Exploratory
- Computer Science

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Marks: 1 (Budgeted Time 1 Min)

Question No : 13 of 52

Data dependencies between different phases of computation introduce synchronization requirements that force _____ execution.

Data dependencies between different phases of computation introduce synchronization requirements that force sequential execution

Answer (Please select your correct option)

- Sequential
- Parallel
- Analogous
- Interactive Parallel

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Marks: 1 (Budgeted Time 1 Min)

Question No : 12 of 52

Parallelism can _____system performance on over-utilized systems or systems with small I/O bandwidth.

Answer (Please select your correct option)

- Reduce

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- Enhance
- Maintain
- Boost

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Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

The purpose of the House of Quality technique is to reduce _____ types of risk.

The purpose of the technique is to reduce two types of risk. First, the risk that the product
specification does not comply with the wants of the predetermined target group of customers. Secondly, the risk that the final product does not comply with the product specification.

Answer (Please select your correct option)

- Two
- Three
- Four
- All

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Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ means meeting customer's needs, not necessarily exceeding them.

Answer (Please select your correct option)

- Quality

Correct answer solved by hadi
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- Marketing
- DSS
- OLAP

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Marks: 1 (Budgeted Time 1 Min)

Question No : 9 of 52

A dense index, if fits into memory, costs only _____ disk I/O access to locate a record by given key.

Answer (Please select your correct option)

- One
- Two
- lg (n)
- n

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Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

_____, if fits into memory, costs only one disk I/O access to locate a record by given key.

Answer (Please select your correct option)

- A Dense Index
- A Sparse Index
- An Inverted Index
- None of These

Correct answer solved by hadi
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Email: usmanraj20@gmail.com

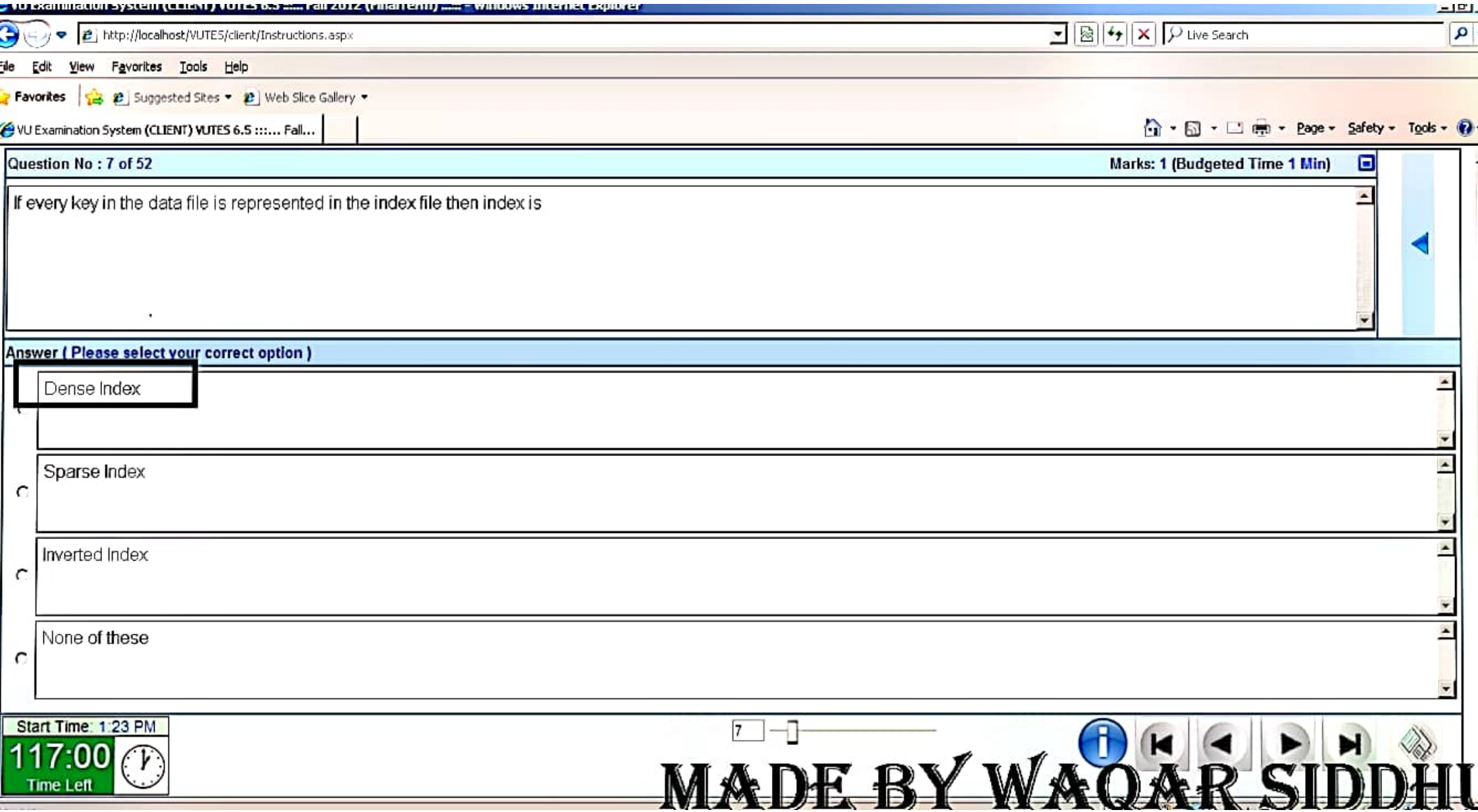
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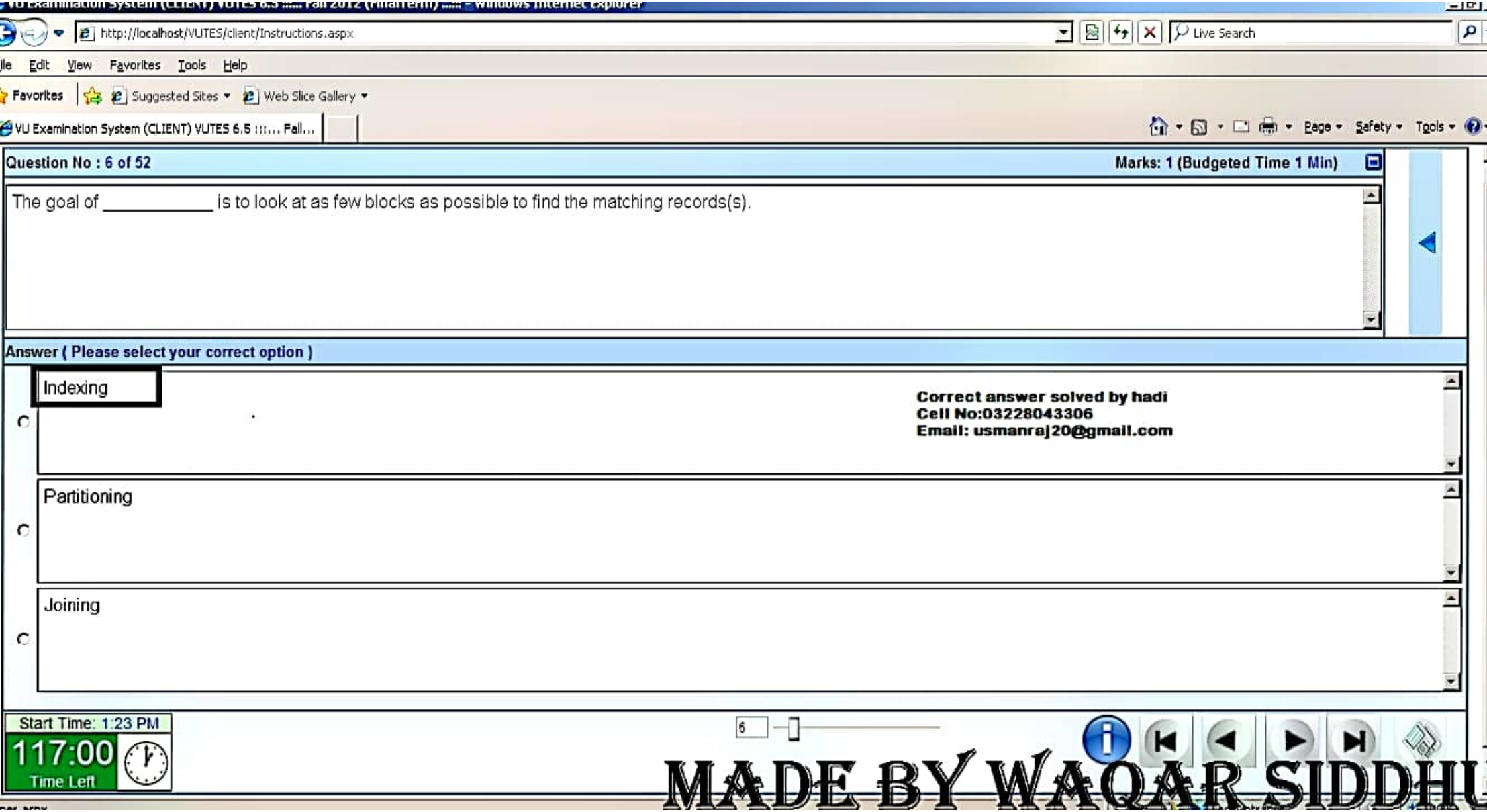
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Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Merging information is one of the major types of _____

Merging of Information: This is not quite the opposite of splitting of single fields. **This type of data transformation** does not literally mean the merging of several fields to create a single field of data. For example, information about a product may come from different data sources. The product Code and description may come from one data source. The relevant package types may be found in another data source. The cost data may be from yet another source. In this case, merging of information denotes the combination of the product code, description, package types, and cost into a single entity.

Answer (Please select your correct option)

- Transformation **still not sure**
- Extraction
- Loading
- None of these

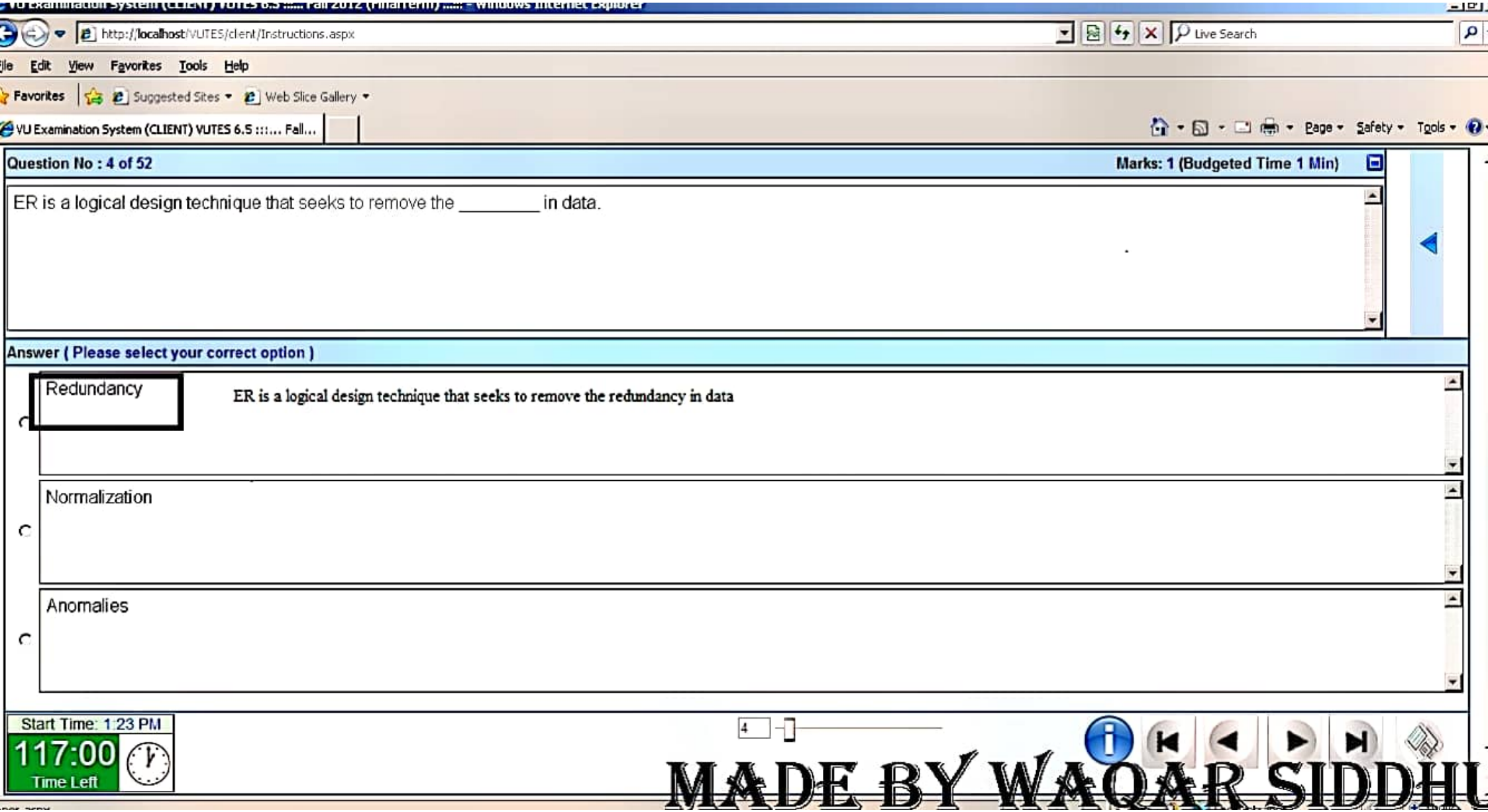
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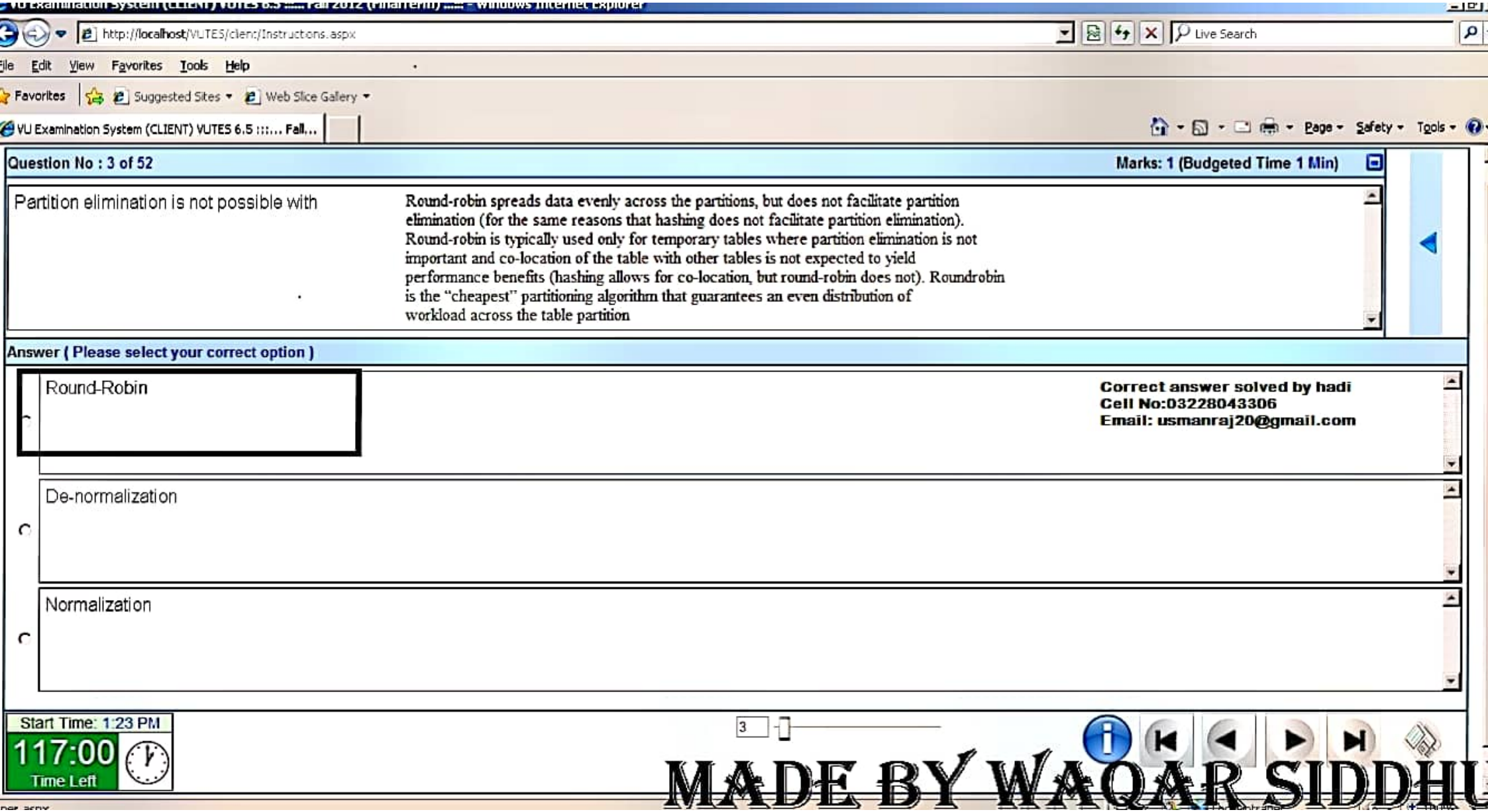
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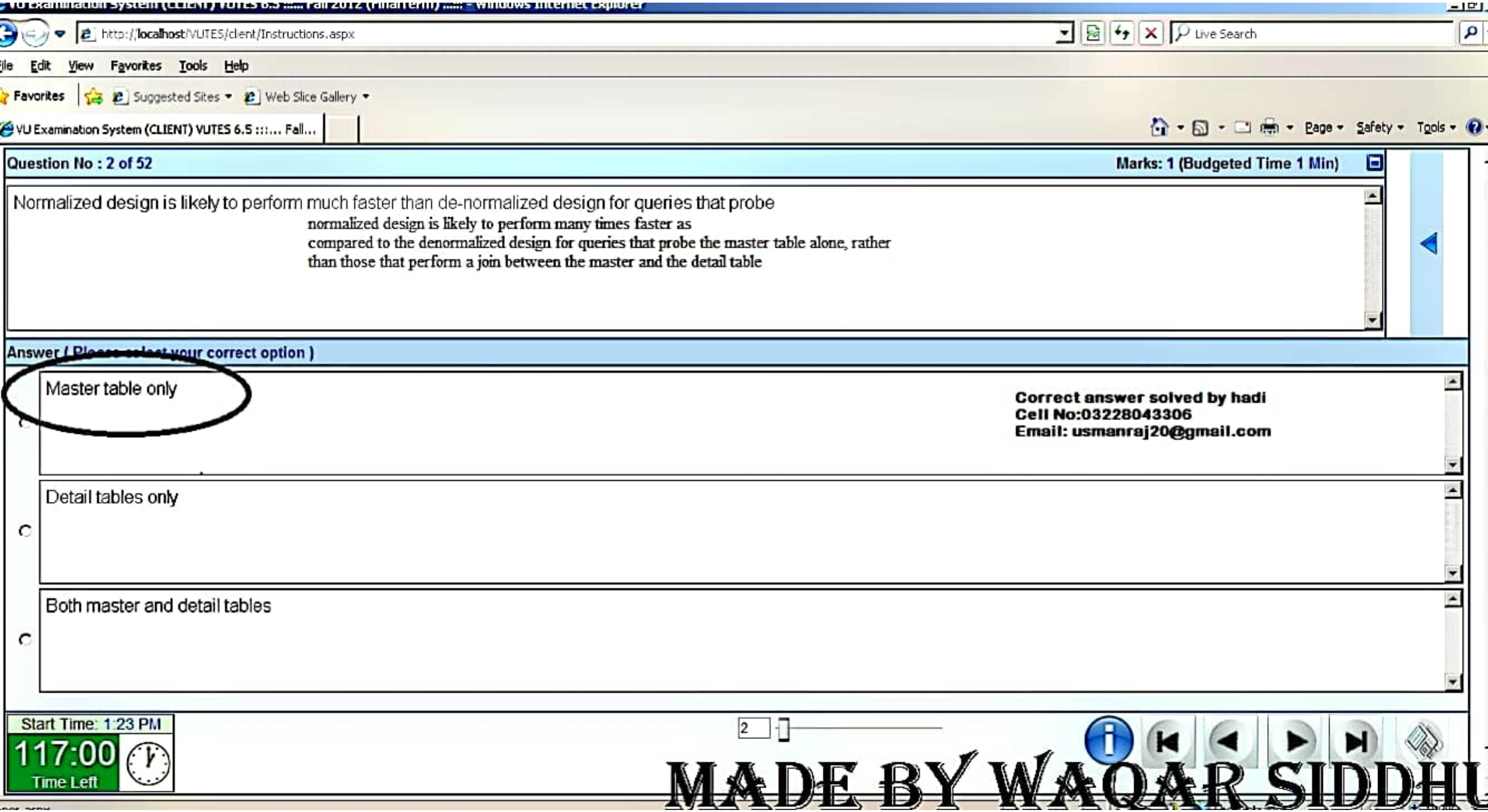
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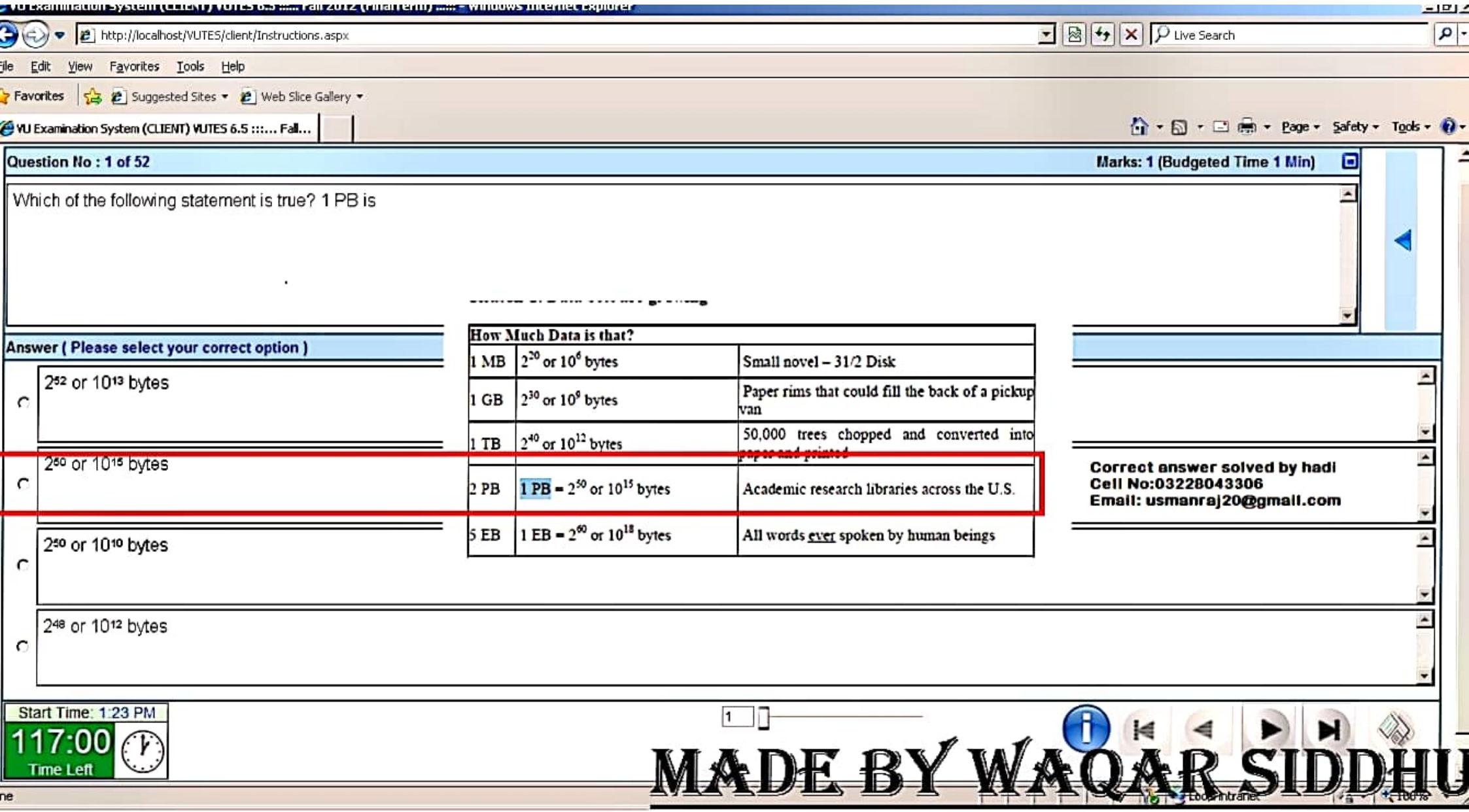
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