T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Digital, Digital Production, Design and Development (Level 3)

6 June 2022

Controlled hours 3 hours

Paper reference 19538

Core: Employer Set Project
Task 3: Designing a solution
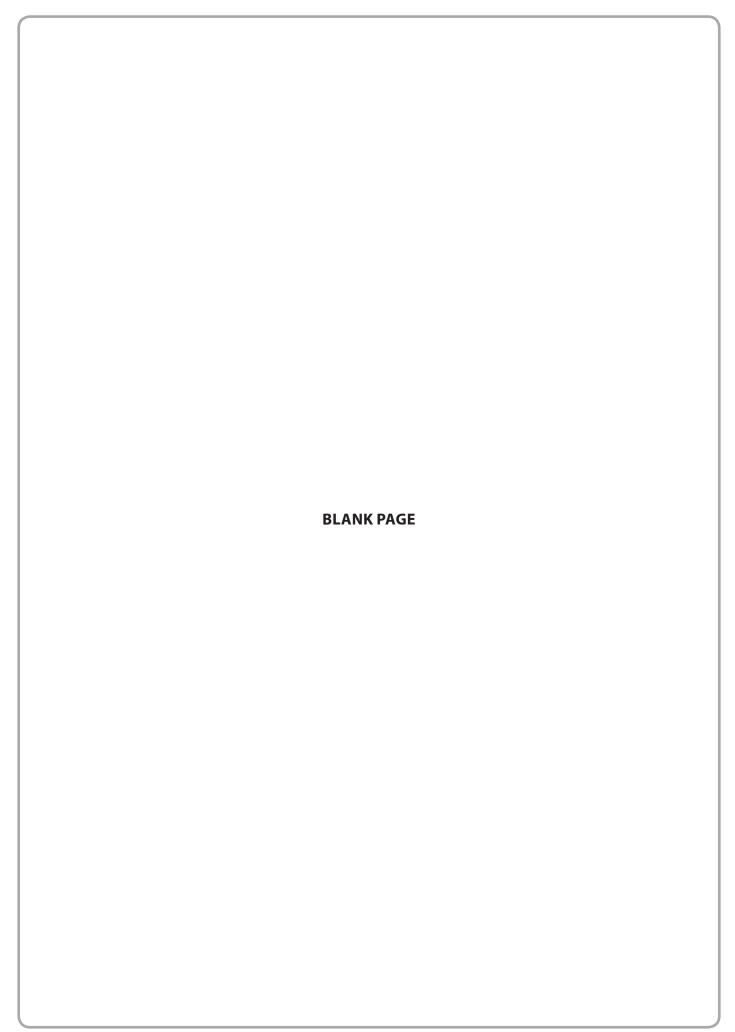
You must have:
Task3_data.csv

Information

- This booklet contains material for the completion of the set task under supervised conditions.
- This booklet is specific to each series and this material must only be issued to students who have been entered to undertake the task in the relevant series.
- This booklet must be kept securely until the start of the timetabled assessment.

Turn over ▶

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Instructions for students

You must complete the activity within the assessment.

The task must be undertaken at the time and on the date specified by Pearson.

You will be given three hours for producing the outcomes for this task.

Your centre will advise you of when any supervised breaks have been scheduled.

The task must be completed under supervised conditions.

You are **not** permitted access to the internet during this task.

You are provided with the file *Task3_data.csv* for use during this task.

Your work and any material provided must be kept securely at all times.

Set Task Brief

Part of the new digital solution requires your company to develop a data service that will turn raw data into meaningful information. The information will be used by the client to make data-driven decisions.

Your manager has decided to open the problem up to all developers to see if they can design a suitable solution.

Your manager has provided you with a set of requirements that he has agreed with the client.

Activity

You must produce algorithm designs to show how you would implement the system and user requirements provided in the Set Task Information.

The algorithm designs should be of sufficient detail to:

- effectively communicate the intended solution

- allow the client to make informed decisions

- allow a third party to use the design documents to create the proposed solution.

You should use either pseudocode or flow charts to communicate your algorithms.

The file *Task3_data.csv* contains the data that will be used by the solution. You should use this file to help you design your solution.

(17)

Outcomes for submission

Save your completed design documents as PDF files.

All files should be saved in your folder for submission.

Use this naming convention:

Task3_[document name]_[Registration number #]_[surname]_[first letter of first name]

Set Task Information

User requirements agreed with the client:

- The solution must allow users to select a region and show the trends for increases in property values over time.

- The solution must also:

    - be easy to use

    - display information in a meaningful way

    - make use of appropriate textual, numerical and graphical output in a way that would be relevant to the end user.

Note – the data shows the average percentage increase for all properties of each specific type for each region.