

# Westminster Business School

7FNCE042W Blockchain Technologies and Cryptocurrencies  
Individual Assessment (50%)

**Due 13:00 UK time @ 25th March 2024**

# Prospectus for Tokenisation of Real-World Assets (RWAs)

You are required to write a prospectus for a tokenized asset. Read the reference paper on Real Estate Tokenization issued by Uni. of Oxford, MIT, OECD and KPMG. Suppose you aim to create a tokenized Real Estate Investment Trust (REIT) to raise funds from global investors. We **IGNORE** the relevant legal issues and **ONLY** focus on the technical realisation and business models. Write a prospectus to introduce your deal structure and digitisation results. The word limit is 2000 (excluding reference and appendix). You will also require giving an in-class presentation to explain your prospectus.

**Marking Scheme**

Your report should be structured as a management report and address the following objectives:

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| **Component** | **Percentage** |
| **Deal Structure**   * Describe your (hypothetical) housing property in words and figures * Explain the benefits to be gained by tokenising the housing property * Introduce your financial model (total supply, minimum invest amount, expected return etc.) | **20%** |
| **Digitisation/** **Technical Realisation**   * Introduce tokenization of RWAs as a solution, particularly in the realm of real estate * Build an ERC-20 token with a specific Tracker | **20%** |
| **Tokenomics**   * A detail Primary Distribution plan for investors * Introduce your post-tokenisation plan (Repo, DeFi, etc.) | **20%** |
| **Coding**   * Justify choosing a specific blockchain testnet (e.g., Sepolia or Mumbai, etc). * Extract the key information (e.g. address, area, property price) from your prospectus and upload it to the Ethereum blockchain as a digital contract. * Please **ONLY** insert your Ethereum address in the prospectus and **DO NOT** attach any code in the appendix. | **20%** |
| **Presentation**   * Word count indicated on front page and not exceed the limit. * No spelling, grammar, punctuation errors. * Properly formatted and professional in structure and appearance. * Citations and references provided and the referencing style to Cite Them Right Harvard. | **20%** |

**Guidelines**

* Answer all the listed questions in the marking scheme shown above. A professional approach to complete your prospectus is required.
* Your prospectus should be produced in **WORD/PDF**. Use Ethereum Solidity when building digital contracts (tokens). **The digital contracts should be published in the Ethereum Sepolia Test Network with a valid address to verify the information that is recorded in the block.**
* Your analysis should demonstrate an understanding of the underlying theory, its assumptions, limitations, graph, formula, and implementation in an applied context.
* Reference to any relevant information should include fully referenced paragraphs of any related work done by other authors (i.e., in journal articles and specialist textbooks etc).
* Detailed coverage of both the theory and practice of blockchain and smart contract is required.

**DEADLINE:**

**You Must Submit your completed work via Blackboard by 13:00 UK time on 25th March 2024.**

**Please submit in a word/pdf format via the Blackboard link AND don’t forget insert your Ethereum Address in your work.**

**Text for Postgraduate modules**

Submission of Coursework

All coursework on this module is submitted via Blackboard only. It will automatically be scanned through a text matching system (designed to check for possible plagiarism). YOU MUST include your names and student IDs on the first page of your assignment.

To submit your assignment:

* Log on to Blackboard at https://learning.westminster.ac.uk.
* Go to the relevant module Blackboard site;
* Click on the ‘Submit Coursework’ link in the navigation menu on the left-hand side, as advised by the module teaching team;
* Click on the link for the relevant assignment.
* Follow the instructions.
* You will be given details by the module teaching team about how and when you will receive your marks and feedback on your work.

**REMEMBER**:

**It is a requirement that you submit your work in this way. All coursework must be submitted by 1PM on the due date. If you submit your coursework late but within 24 hours or one working day of the specified deadline, 10% of the overall marks available for that element of assessment will be deducted, as a penalty for late submission, except for work which is marked in the range 50 – 59%, in which case the mark will be capped at the pass mark (50%).**

**If you submit your coursework more than 24 hours or more than one working day after the specified deadline you will be given a mark of zero for the work in question.**

The University’s mitigating circumstances (MC) procedures relating to the non-submission or late submission of coursework apply to all coursework.