**Mission1:**

**Pick recent journal (Mark stages by green color)**

Predicting and designing out construction waste in real time is complex during building waste analysis (BWA) since it involves a large number of analyses for investigating multiple waste-efficient design strategies. These analyses require highly specific data of materials that are scattered across different data sources. A repository that facilitates applications in gaining seamless access to relatively large and distributed data sources of building materials is currently unavailable for conducting the BWA. Such a repository is the first step to developing a simulation tool for the BWA. Existing product data exchange ontologies and classification systems lack adequate modelling of building materials for the BWA. In this paper, we propose a highly resilient and data-agnostic building materials database. We use ontologies at the core of our approach to capture highly accurate and semantically conflicting data of building materials using the Resource Description Framework (RDF) and Web Ontology Language (OWL). Owing to the inherent capabilities of RDF, the architecture provides syntactical homogeneity while accessing the diverse and distributed data of building materials during the BWA. We use software packages such as Protégé and Oracle RDF Graph database for implementing the proposed architecture. Our research provides technical details and insights for researchers and software engineers who are seeking to develop the semantic repositories of similar kind of simulation applications that can be used for building waste performance analysis.

**Mission2:**

**Check the tenses used in the introduction?**

Present tense

**Which tense is used more?**

Present tense

**Why?**

Beacause the author is basically telling audiences the current situation, the solution they came up with and the progress they made.

**Mission3:**

**Identity the country, province and city in the introduction?**

Messages, such as country, province and city, are not mentioned in the introduction.

**Mission4:**

**Based on your reading and analysis, list the expressions or patterns that you may use in your own introduction writing?**

**Pattern1:**

Xxxx and xxxx in real time is complex during xxxx since it involves a large of xxxx for investigating xxxx.

**Pattern2:**

Such a xxxx is the first step to xxxx for xxxx.

**Pattern3:**

In this paper, we propose a highly xxxx.

**Pattern4:**

Owing to the inherent capabilities of xxxx, xxxx provides xxxx while

**Pattern5:**

Our research provides technical details and insights for research and xxxx who are seeking to xxxx.