# ****BUSINESS RULES****

A **document**[[1]](#footnote-1) will have an, id, URL, rank of the page and title. A document can be referenced in (Anchored from) many other documents. The database must have a list of **Words**1**.** Each word must have an identifier and word itself. Each document can contain many words, and each word can be in many documents. For each occurrence of the word, its font, Size, Position, Importance are to be stored. Occurrences of Anchor text should also be differentiated from plain text.

A **User**1must be identified using an assigned id and its IP address should be stored. A **Registered User**1will further contain the users Name, Login ID, password and email ID. We need to keep a track of user’s **Sessions**1**.** Each session has an identifier and start/end time. Each session must have an associated user. We also need to track the documents accessed during a session. Many documents may be accessed during one session.

A list of Topics should be defined in the database, where each **topic**1 must have an identifier and the topic itself. A document must belong to a single topic at least. Whereas a topic can have many documents.

Also, Advertisers can post ads according to Topics. **Advertisement**1 is identified by adID and should have adURL as an attribute to be embedded into a webpage. An advertisement must belong to a topic while a topic can have multiple ads.

1. Entities [↑](#footnote-ref-1)