WEB PROCESSORS

SEARCH ENGINE :

A web search engine or Internet search engine is a software system that is designed to carry out web search, which means to carry out web search. World wide web in a systematic way for particular information specified in a textual web search query.

HISTORY OF SEARCH ENGINE :

Search engine Development timeline archie (1990) was the first tool created by All Gotage and L-peter Dutch for indexing and is considered the first back search engine. What began as school project of meoxil university.

WEB CRAWLER :

A web Crawler, sometimes called a spider or spider bot and often shortened to crawler, is an Internet bot that systematically browses the world wide web, typically for the purpose of web indexing.

POPULAR SEARCH ENGINES :

- Google
- Alexa
- AOL · Search
- Ask
- Bing
- LYCOS
- Yahoo

MAJOR FUNCTIONS OF SEARCH ENGINES

1. Crawling
2. Indexing
3. Storage
4. Results

Crawling : Crawling can scan brand new information on the internet or it can locate older data.

Indexing : Indexing is ordering the information systematically

Storage : Storing the information collected by the bots.

Result : Is the hyperlinks to websites that show up in the engine page when a certain tag-word or phrase is queried

IMPORTANT FEATURES OF SEARCH ENGINES

- Super-fast Setup
- Advanced site search engine
- Reports track visitors searches
- Automatic Site map
- Automatic what's new list
- Complete customisation
- Scheduled reindexing
- No fixed page limit.

SEARCH ENGINE OPTIMIZATION (SEO):

Search Engine Optimization is the process of increasing the quality and quantity of website traffic by incrementing visibility of a website or a webpage to users for a web page engine. SEO refers to the improvement of unpaid results and excludes the purchase of paid placement.

WEB BROWSERS

A web browser is a software application for accessing information on the world wide web. When a user requests a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the screen.

HISTORY OF WEB BROWSER :

Precursors to the web browser emerged in the form of hyperlinked applications during the mid and late 1980s, and following these, Tim-Berners-Lee is credited with developing, in 1990, both the first web server, and the first web browser, called world wide web and later renamed Nexus

FUNCTIONS OF WEB BROWSERS:

The primary functions of a web browser is to render HTML, the code used to design or "mark up" webpages. Each time a browser loads a webpage, it process the HTML, which may include text, links, and references to images and other items, such as cascading style sheets and Java Script function.
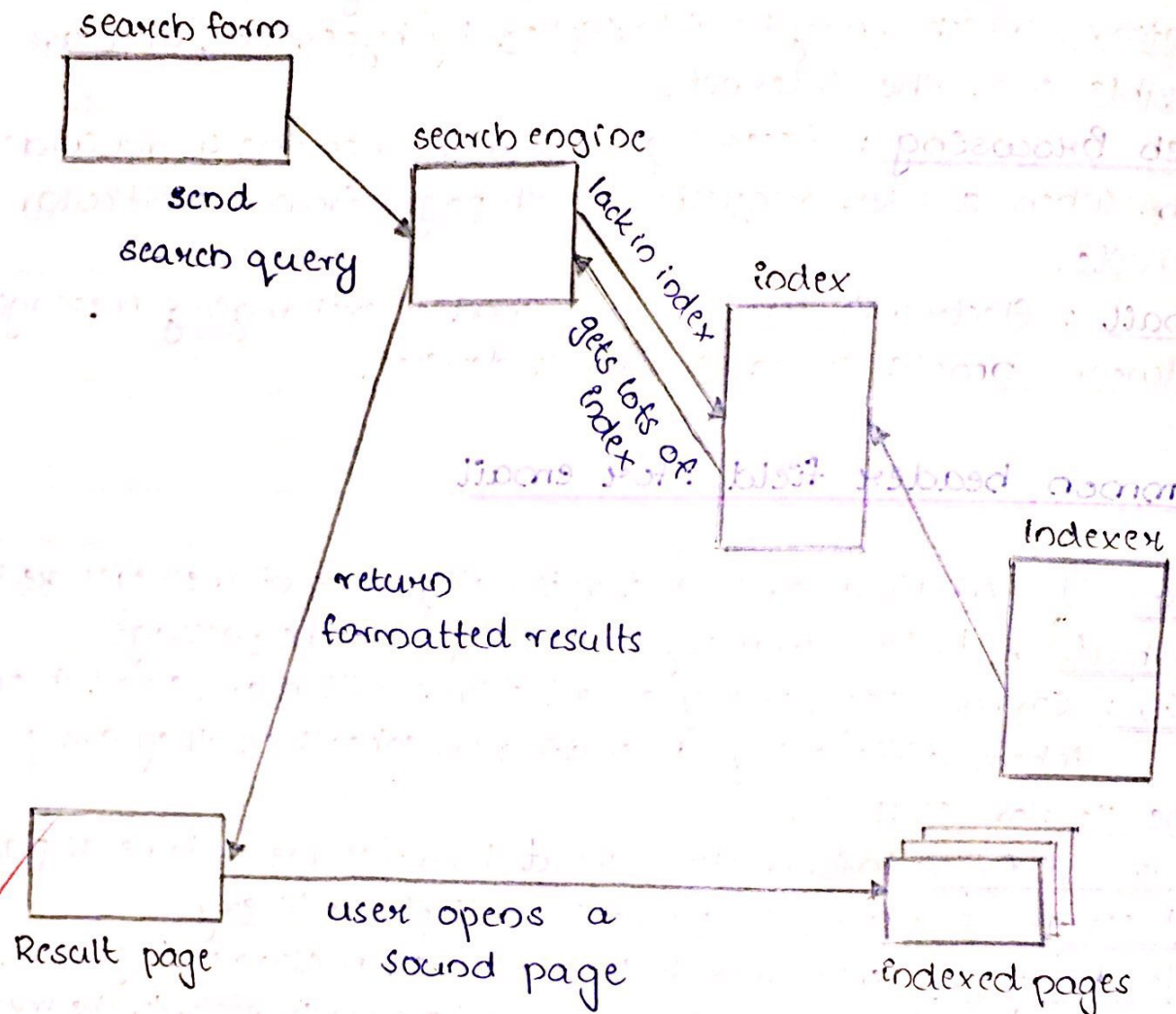
VARIOUS WEB BROWSERS

- Internet Explorer
- Google Chrome
- Mozila Firefon
- Safari
- Opera

RESULT :

Familiarized about search engines and web browsers.

SEARCH ENGINE DIAGRAM

search form

search engine

send
search query

lack in index

index

gets lots of
index

Indexer

return
formatted results

Result page

user opens a
sound page

indexed pages

WEB BROWSERS

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                    ┌──────────────────┐              ┌──────────┐
                    │  User Interface  │              │          │
                    └──────────────────┘              │          │
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                    ┌──────────────────┐              │  t   P   │
                    │  Browser Engine  │─ ─ ─ ─ ─ ─ ─▶│  a   e   │
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                    │ Rendering Engine │              │      t   │
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          │Networking│ │Javascript│ │   UI     │      │          │
          │          │ │interpreter│ │ Backend. │     └──────────┘
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