WEEKLY NEWS PORTAL

Category: Web Application

ABSTRACT

Physical newspapers are dying nowadays because people use their devices to be informed about everything that happens around. That would be useful for news company to have good equipment to make their web newspaper easier. That is what we are going to make in this project

By: -

Anurag Bansal: 20103043
Siddharth Sharma: 20103085
Anusha: 20103118
Gur Aadesh Kaur: 20103125

INTRODUCTION:

Purpose:

The development of portal for web-based newspaper generally means creating a website in which the management of all news item sent by crowd about any type of news & activities are done by the administrator where all people (viewers) can view and know all the relevant information about the knowledge which they seek. This project is about the designing of a newspaper which displays the news which a normal person wants to show.

Scope:

The website consists of basic pages from which the user can view and know the relevant information like history, upcoming. In other case, the administrator manages all the relevant actions for which the users can view properly. The portal has basically two user parts where one is who can view, another is administrator who will manage or control the website and other user can only view and search.

REQUIREMENT SPECIFICATION:

The purpose of SRS (Software Requirement Specification) document is to describe the external behaviour of the web-based newspaper. It defines the operations, performance and interfaces and quality assurance requirement of the web-based newspaper. The complete software requirements for the system are captured by the SRS (Software Requirement Specification).

1. Functional Requirements:

For documenting the functional requirements, the set of functionalities supported by the system are to be specified. A function can be specified by identifying the state at which the data is to be input to the system, its input data domain, the output data domain, and the type of processing to be carried on the input data to obtain the output data.

R1: Uploading Item

Description: Uploading function can be done by the user who has registered on the website. When the user uploads an item and if it is a news item or forum is determined and edited by the administrators or editors and then it is displayed on the home page.

R2: Search topic

Description: Search function does not require any authentication from its user so any user can perform this function. If a user searches for a news item, then the news will be displayed on the screen if it related to the search topic.

R3: Edit topic

Description: Edit function can be done by only administrator or editor. Any uploaded item is examined and edited by administrator so it can be allowed to display to mass.

2. Non-functional Requirements:

These are the requirements that are not functional in nature. Especially these are the constraints the system must work within.

Performance Requirements:

The system response time must be less than 30 seconds for the user interface.

Reliability Requirements:

The system shall have a minimum uptime of 99 % excluding time prescheduled for maintenance and/or upgrades.

Safety Requirements:

All the system data must be backed up every day and the backup copies stored in another server at different location for disaster recovery.

Quality Attributes:

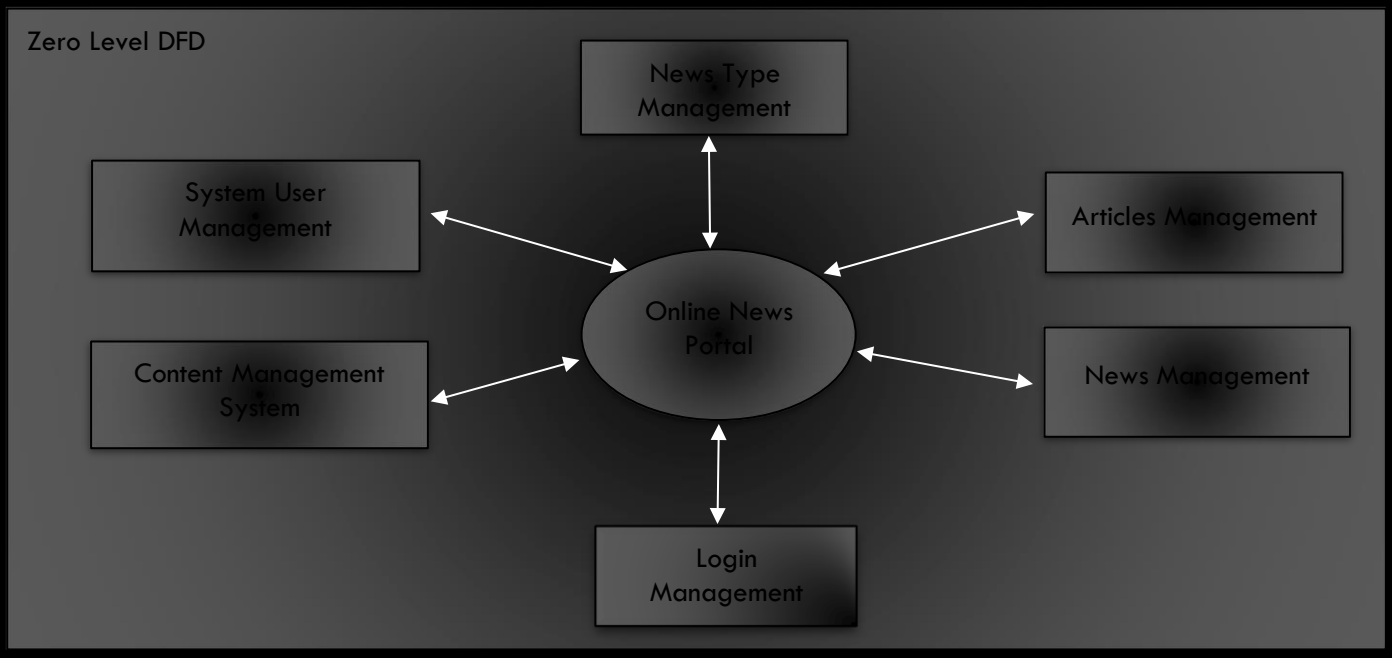
The source code for the system is well documented for ease of maintenance and upgrading the system in future.

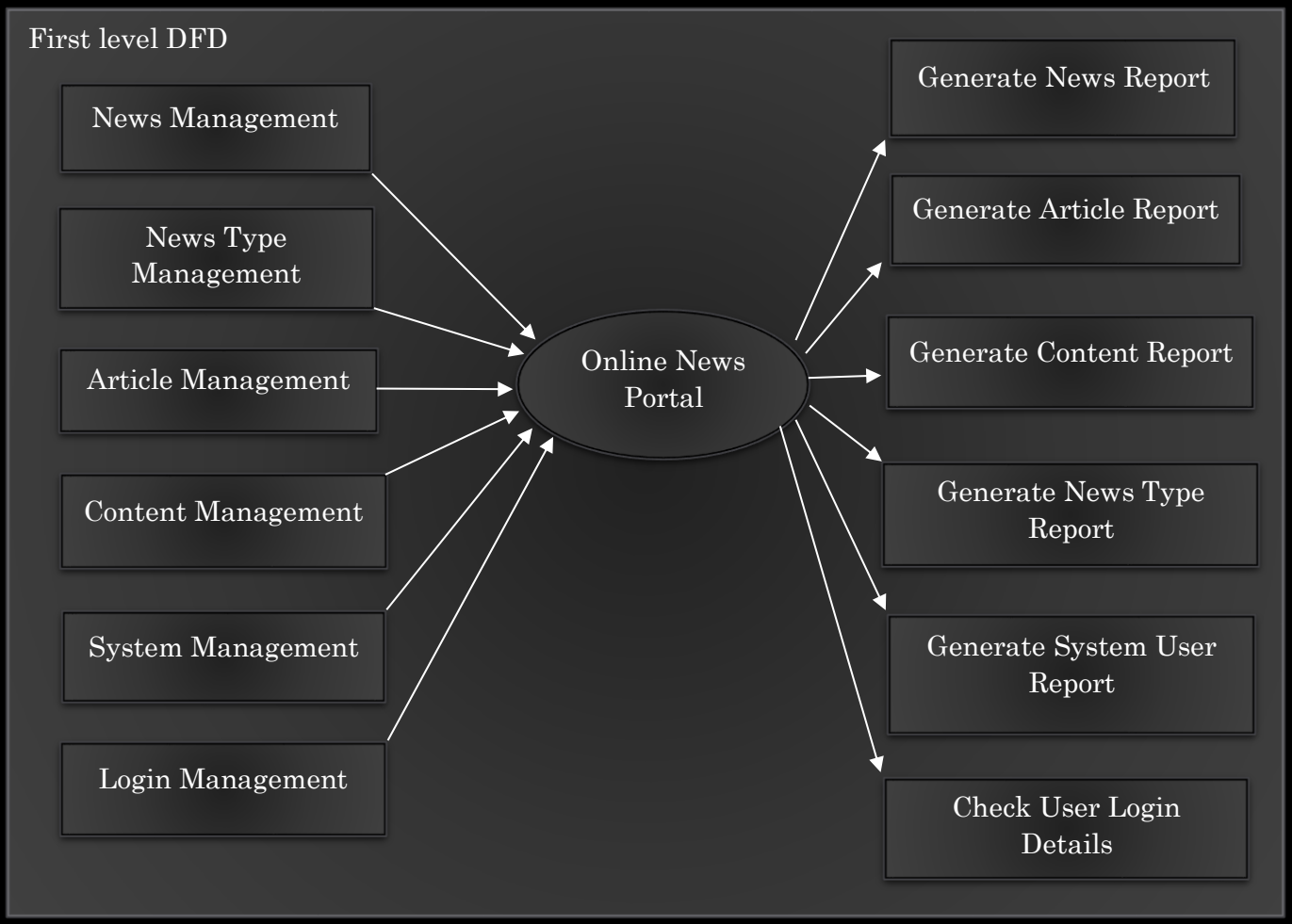
3.DESIGN:

Design phase deals with transforming the requirements, as described in the SRS document, into a form that is implemented using a programming language. The design of this system is shown as following:

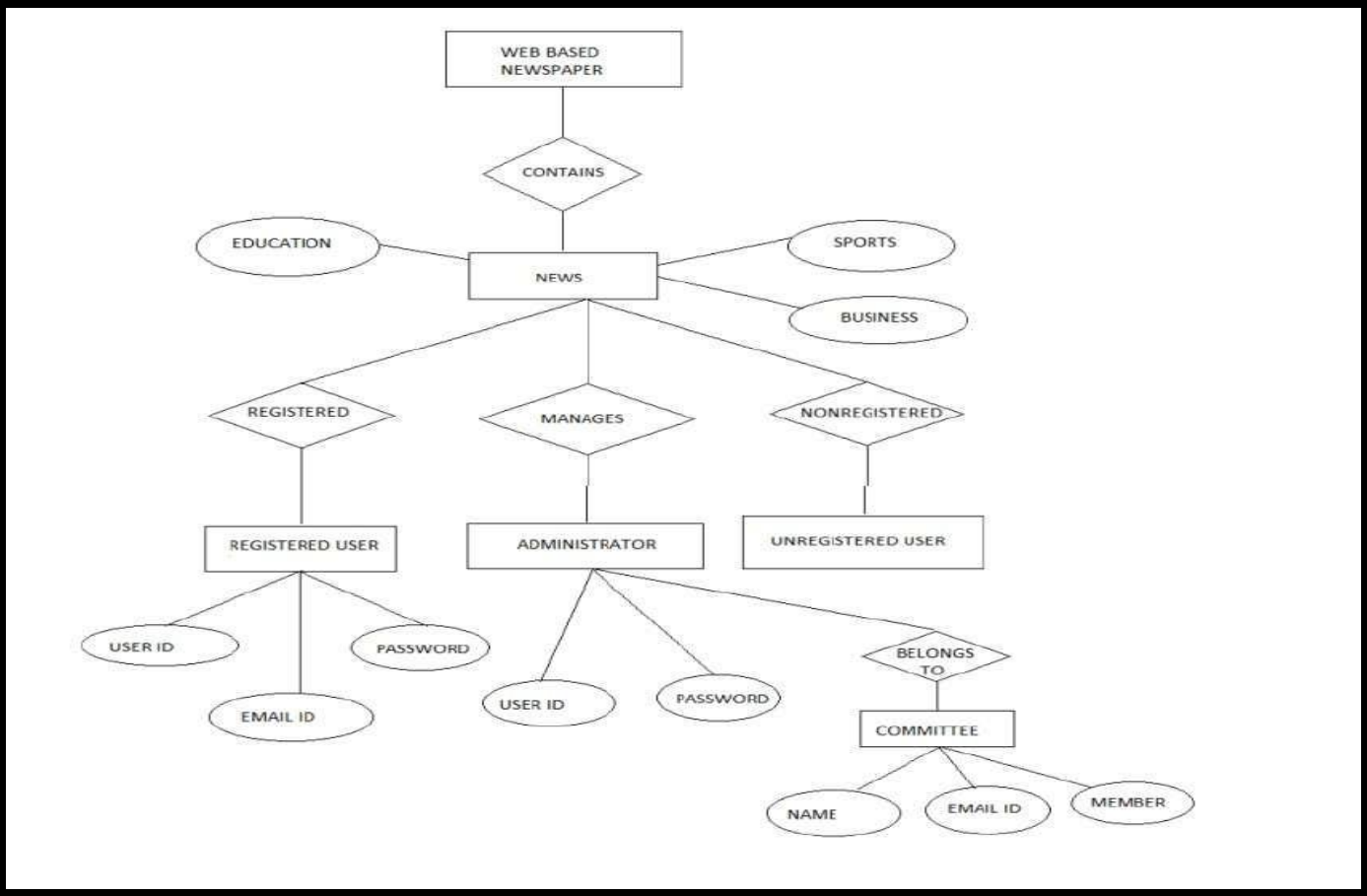
Data Flow Diagram:

Data Flow diagram is a graphical representation of flow of data throughout the information system. Data flow diagrams illustrate how data is processed by a system in terms of inputs and outputs.

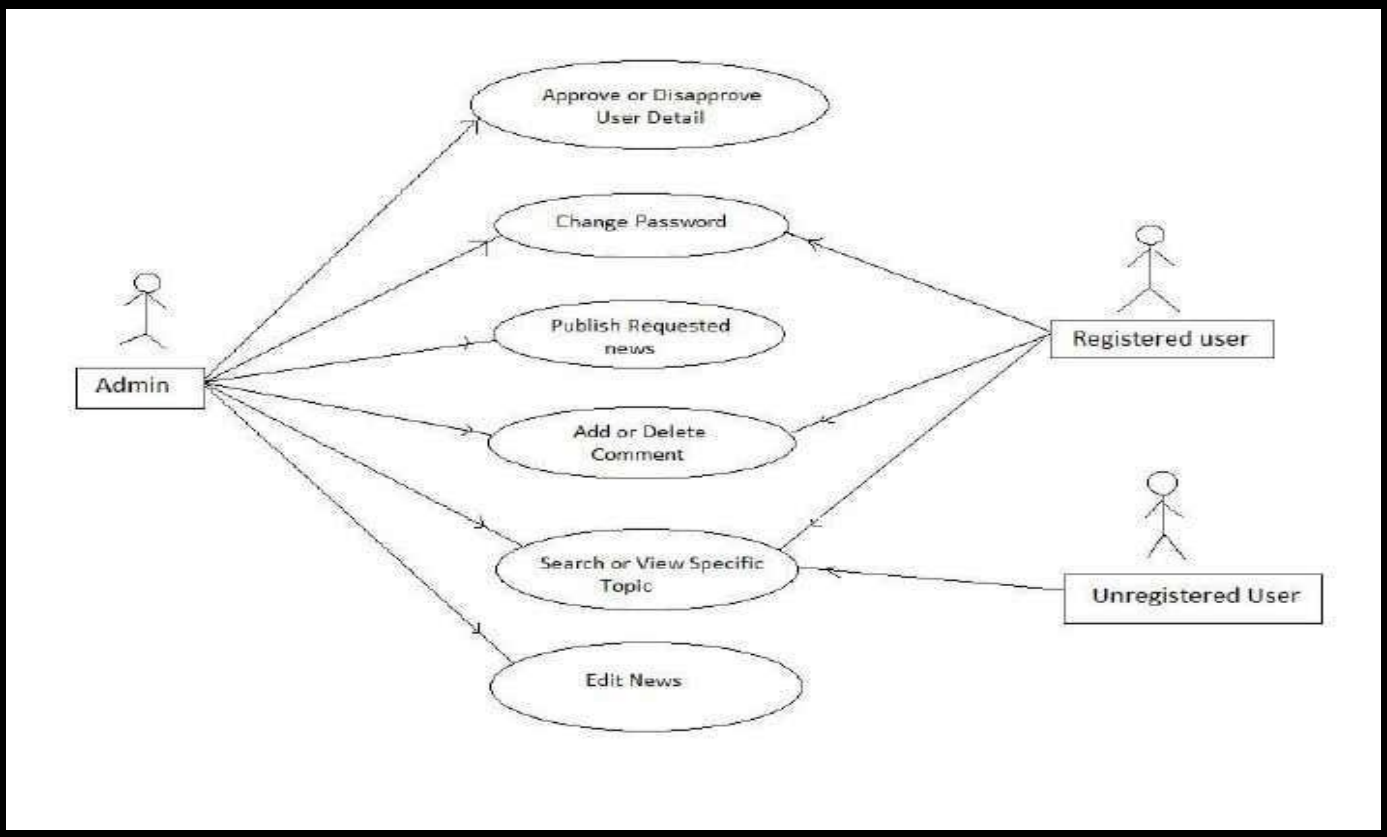




Entity Relationship Diagram:



User Case Diagram:



References:

BBC News