Software Requirement Specification (SRS)

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Website name and Description

Website name: DZ diary

Website description:
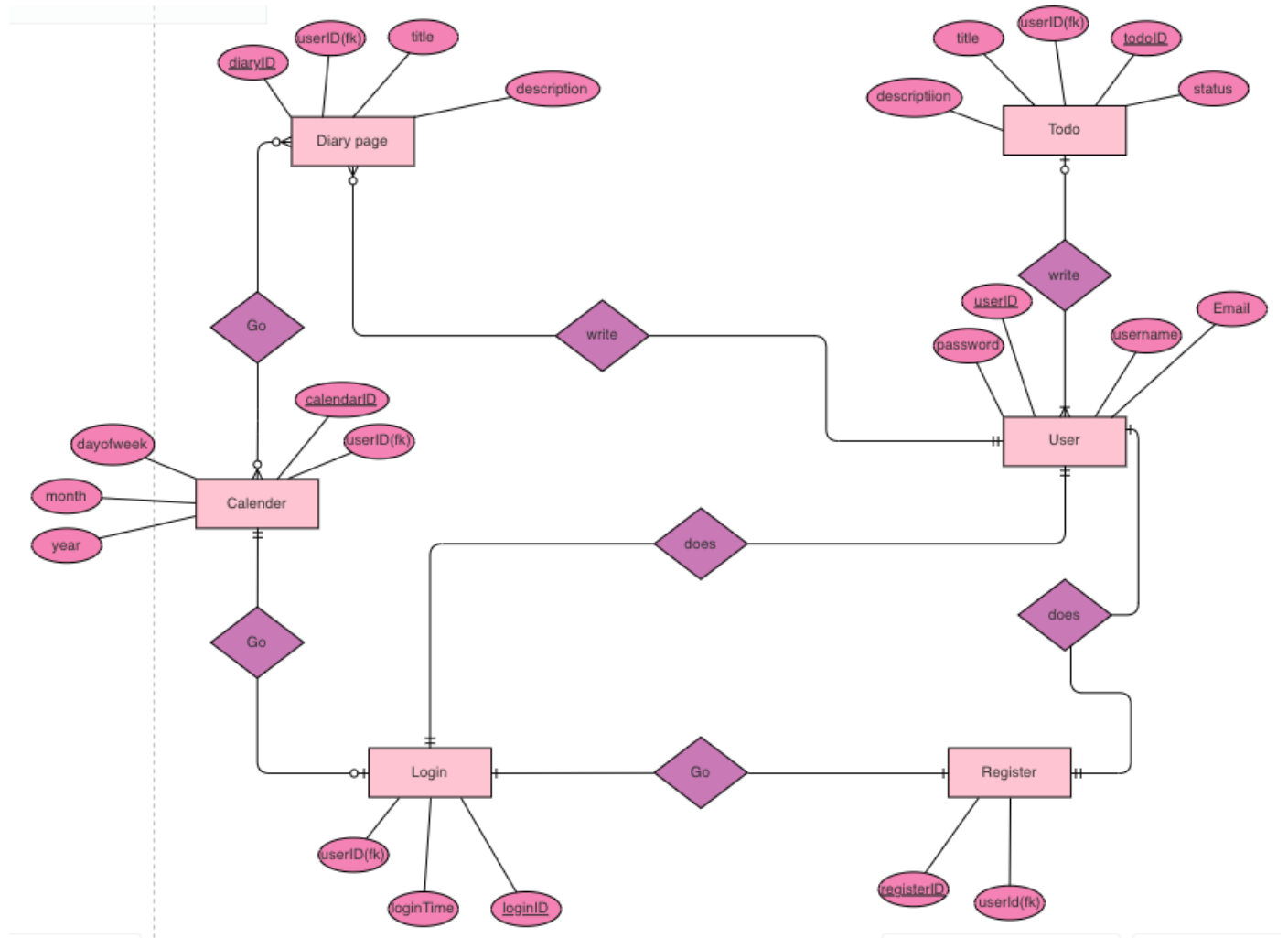Introducing "DZ diary" – Your Personal Digital Journal!

Introducing "DailyChronicle.com" – a dynamic diary website featuring a secure digital diary and integrated to-do list. Elevate your daily routine with a sleek and intuitive interface, prioritizing tasks seamlessly.

User characteristics:

1. **Registered Users:**

   ● Users who have successfully registered and logged into the Diary Website.
   ● Can access all features of the website, including the to-do list, calendar, and diary entry system.

Database ERD

Functional Requirements

Name	Register
ID	handleSubmitClick
Goal	Allows the user to register an account.
Triggers	User triggered
Input	E-Mail (String), Username (String) & Password (String)
Output	Creates and account for the user and directs him to login page

Name	Login
ID	handleSubmitClick
Goal	Allows the user to log into his account
Triggers	User triggered
Input	Username (String) & Password (String)
Output	Directs user to calendar page.

Name	Allows user to navigate to diary
ID	navigateToDiary
Goal	Allows the user to pick a date from the calendar and log his diary.
Triggers	User triggered
Input	The user chooses a date
Output	Directs the user to the diary page and send in URL params the date

Name	Save Diary
ID	saveDiary
Goal	Allows the user to save his diary entry.
Triggers	User triggered
Input	onClick="saveDiary()"
Output	An alert that says "diary saved", and the event saved in database

Name	Add To Do
ID	addTodo
Goal	Allows the user to add a task in the to do list
Triggers	User triggered
Input	Event Listener on add button (event)
Output	Adds a task in the to do list

Name	Delete task
ID	deleteCheck
Goal	Allows the user to delete a task in the to do list
Triggers	User triggered
Input	eventHandler on check mark button (e)
Output	The chosen task in the to do list is deleted

Name	Filter tasks
ID	filterToDo
Goal	Allows the user to filter tasks in the to do list
Triggers	User triggered
Input	eventHandler on option list (e)
Output	Tasks are shown based on the chosen status from the options list

Website's main pages

Login and Registration Interface

- Description: This interface allows users to register for an account or log in to an existing account.
- Elements:
    - Input fields for username and password.
    - Buttons for registration and login.
- Constraints:
    - Passwords must meet specified security standards (password validation).

Calendar Interface

- Description: It's the first page the user is shown after logging in.
- Interactive calendar for the user to pick a date to log, edit, or view a diary entry.
- Elements:
    - Monthly view with clickable dates.
    - Ability to add, edit, and view entries.

Diary Entry Interface

- Description: Interface for creating, editing, and viewing diary entries.
- Elements:
    - Date selector for choosing the entry date.
    - Text editor for writing and editing entries.
    - Save button.

To-Do List Interface

- Description: Interface for managing tasks in the to-do list.
- Elements:
    - Task listing with options to add, edit, mark as completed, and delete tasks.
    - Filters for viewing completed, incomplete, or all tasks.

Github Repository

- link:https://github.com/fatmaa2003/MeMo-web-project