

## CS – Internal Assessment

### Club Hub

#### Criterion B – design

## Software design

Figure 1.1. Login/signup page Flowchart

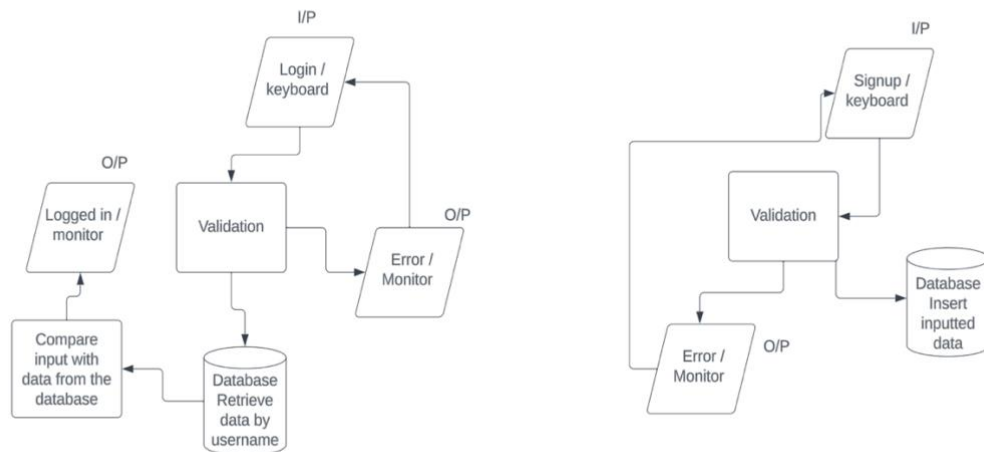


Figure 1.2. Add event flowchart

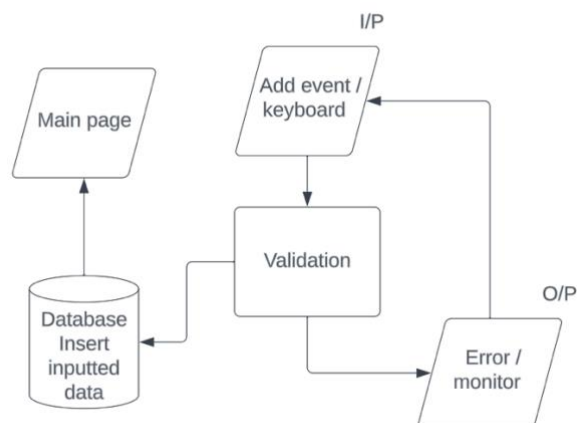


Figure 1.3. Flowchart: System structure

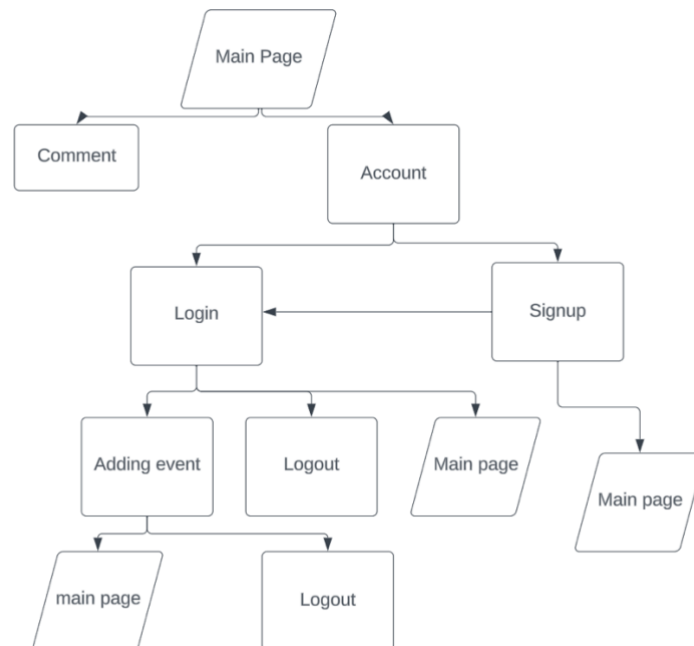


Figure 1.4. Database structure

Entity	
ID	INT
Username	VarChar
Password	VarChar
Email	VarChar
Created_at	Datetime

Events	
id_events	INT
Name	VarChar
Date	Date
Location	VarChar
Description	text

Comments	
id	INT
User_comment	text

Figure 1.5. Fetching user data flowchart

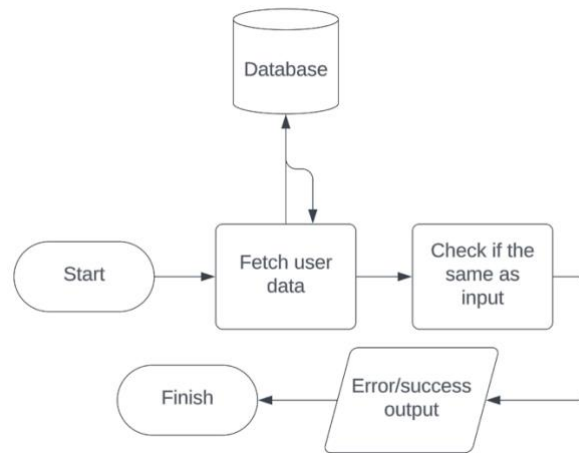


Figure 1.6. Main page example

Welcome to Club Hub!

Account

Event 1  
Information

Event 1  
Information

Event 1  
Information

Here you can provide us with the feedback

Submit

Input data

<b>Data 1:</b> Add lesson.  Client writes the name of the event, description, date and location	Comment  All the spaces will be filled by the organizer, there will be no contradiction, because all the events can happen at the same time
Example: Title: Chess club Date: 27.08.23 Location: XXX Description: This lesson will be dedicated to ...	Location  Database, data will be visible on the website's main page after submitting and refreshing the page if the event is upcoming.
<b>Data 2:</b>  Client writes login, email, and password for registration	Comment  Users are free to choose names and passwords, but email has to be of correct format
Example: Username: Ewan Password: Ewan123 Email: ewan@gmail.com	Location  Database
<b>Data 3:</b> Comment submission  User writes a comment on the main page and submits it	Location  Database

## Test plan

Action test	Method of testing – result:	Success Criterion
Running the program	Enter website link and wait for it to download.	Accessibility
Mobile compatibility	Enter the website from a mobile device, all features should be accessible	Accessibility, user-friendly interface
Check if registration process works correctly (registration)	After entering the website create login and password with Register(sign in) button.  Enter the database to check if the inputted information is there encrypted.	Safe input of information  Encryption
Check if login function works correctly	Enter information in the login and password section and enter the website as a moderator (organizer).	Safe input of information

Any kind of personal information should be removed from the page after submission of the form.	Check that inputted data shouldn't display on the login.	Safe input of information
Check software functions: add and edit (delete) lessons/clubs/events	Click on button add (add a lesson/club/event), input data. Then delete all the information with Remove button.	Management of the events
Check for each form what happens when one field is empty	Login/signup: Error message should be displayed. Add event page: There is no necessary data apart from the date. Error message should appear in this case.	User-friendly interface
Check if design is appropriate	Sharing with client, approved	Minimalistic design
Data representation test	Asking people whether the information fields are enough to understand details of the event	Conveying information sufficiently
Feedback check	Submitting the feedback and checking in the database	Feedback mechanism
User security	Enter the database and check if the inputs are encrypted	User-data security
Browser suitability	Open the website in another browser to check if the features are displayed appropriately	Cross-browser compatibility

**Word count:** 455