



# أنس Auns

Group:


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- **Individual task for each member:**

- **Wed-Brief Description-Vision -General benefit-Business requirements-Use case**
- **Masha-el-Software Stakeholders-Type of software-Requirement Gatherin-Use case**
- **Amal-Functional Requirement-Use case**
- **Lames-Functional Requirement-Use case**
- **Shahad-Non Functional Requirement-Use case**

- **Meeting time:**

<i><b>Name of member</b></i>	<i><b>Time &amp; Date</b></i>
Shahad, attended all meetings	Sunday (2 hours) Tuesday (2 hours) Thursday (3 hours)
Masha-el, attended all meetings	Sunday (2 hours) Tuesday (2 hours) Thursday (3 hours)
Amal, attended all meetings	Sunday (2 hours) Tuesday (2 hours) Thursday (3 hours)
Wed, attended all meetings	Sunday (2 hours) Tuesday (2 hours) Thursday (3 hours)
Lames, attended all meetings	Sunday (2 hours) Tuesday (2 hours) Thursday (3 hours)

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- ***Business requirements:***

- ***Application Type:***

Web Application.

- ***Brief Description:***

Our app is a web app for watching various safe and meaningful content for children. It offers content tailored to the child's needs, as determined by the parents: content tailored by age, content tailored by program type, and content tailored to children with intellectual disabilities, such as autism and Down syndrome. It features simple and friendly interfaces, built on love and happiness.

- ***Vision:***

"FOR concerned parents WHO want and wish for safe content for their children, THE appName is a Web Application THAT provides safe content for children, parental control, and content tailored to age and interests that increases child safety and reduces parental anxiety. UNLIKE other applications, OUR product provides very safe and monitored content for your children's happiness."

- ***Target Users:***

- Parents who search for safe content for their Children.
- Children of all ages and conditions.

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- **Software Stakeholders :**

Children  
Parents  
Content Providers  
Content Management Team  
Project Team  
Sponsors

- **Type of software :**

Web Application  
Entertainment Software

- **Requirement Gathering:  
interviews**

name	purpose	Date
Fatimah	Parent	1/10/2025
Rasel shaker	Kids	1/10/2025

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- **Interview questions-parents**

Q1: Do you know what content your child watches online?

A: I roughly know

Q2: Are you concerned about the type of content your child watches?

A: Sometimes

Q3: How many hours does your child spend watching videos daily?

A: More than 2 hours

Q4: Do you regularly monitor your child's content?

A: Usually, she is close to me, so I hear what she is watching

Q5: Do you use any parental controls or filters to protect your child?

A: No

Q6: Does your child use platforms specifically designed for children?

A: In the past, before the Internet, I only put Al Majd channels at home. Now they watch YouTube and don't like TV

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- **Interview questions-kids:**

Q1: What do you like to watch?

A: Animation

Q2: Where do you watch it?

A: YouTube on the iPad and TV

Q3: How do you access it?

A: By searching

Q4: Do you need someone to open it for you?

A: No, I know how to do it myself

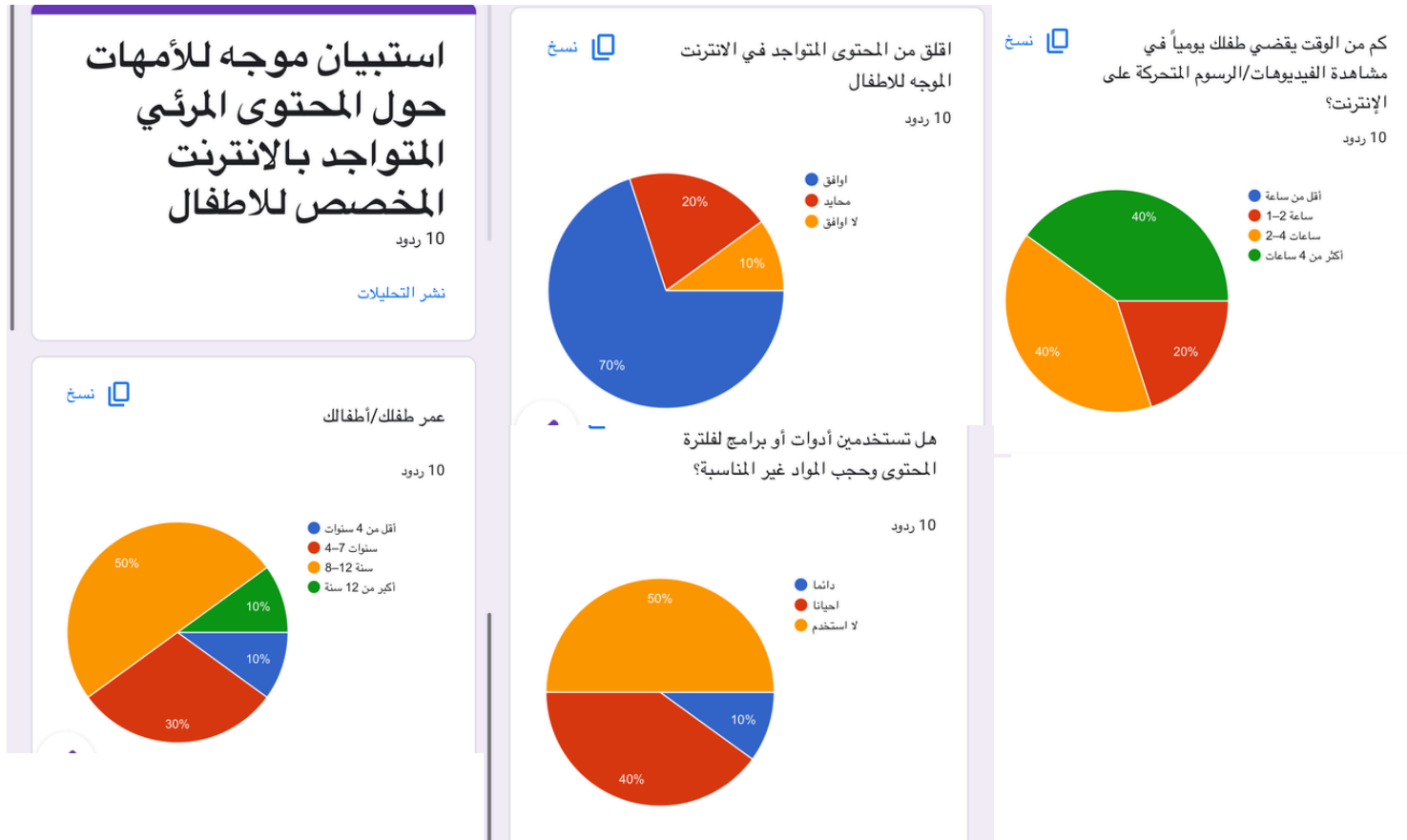
Q5: Who do you watch?

A: SpongeBob, Judy & Abody, Masha

Q6: Why do you watch them?

A: Because they give me ideas I haven't thought of;  
honestly, my friends and I watch them too

## • persona



The main problem is the level of anxiety shared by the public, the lack of a technical and easy solution, and the lack of anything useful when using it. They were safe, but the solutions available to the program are insufficient, so they are not used.

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- **persona**

#### Rana\_The Child

Rana is an 8-year-old student in Jeddah. She loves to relax after school and have fun watching cartoons on the family tablet. She is very good at using video apps to find her favorite shows by herself.

Her main goal is to be entertained, but her family's biggest problem is that she sometimes sees content that is not appropriate for her age. Because of this, her mother wants a safer app made just for children.

#### Nawal, Mother

Nawal is a 40-year-old mother living in Jeddah. She is a homemaker and has a university degree in social studies. Her main focus is raising her 8-year-old daughter, Rana, and making sure she grows up with good values. Nawal is an attentive parent who is very involved in what her daughter watches.

Although not a tech expert, Nawal confidently uses apps like WhatsApp and Instagram every day. She is able to check her daughter's viewing history on the family tablet. Her main goal is to find a video app for Rana that she can completely trust. She is looking for a safe platform where all the cartoons are appropriate and align with her family's faith and values, so she doesn't have to worry.



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- **Functional Requirement:**

- User Management Requirements**

- 1. The user shall be able to create a new account.**

- 1.1 The system shall allow the user to enter an email address and password.
    - 1.2 The system shall verify that the email address is not already registered.
    - 1.3 The system shall create a new account if verification is successful.
    - 1.4 The system should grant the user access to the profile page.

- 2. The user shall be able to log in.**

- 2.1 The system shall allow the user to enter an email and password.
    - 2.2 The system shall verify that the email exists in the database.
    - 2.3 If the email is not found, the system shall display: "Invalid email or password."
    - 2.4 If the email exists, the system shall verify the password.
    - 2.5 If the password is incorrect, the system shall display: "Invalid email or password."
    - 2.6 If the credentials are correct, the system shall grant access to the user account.

- 3. The user shall be able to Logout**

- 3.1 The system shall initiate the logout process when the user clicks the "Logout"
    - 3.2 The system shall terminate the user's current session.
    - 3.3 The system shall redirect the user to the Login Page after the session is terminated.

- 4. The user shall be able to modify personal information.**

- 4.1 The system shall allow the user to access their personal information page.
    - 4.2 The system shall allow the user to edit fields such as name or contact details.
    - 4.3 The system shall update the information in the database.
    - 4.4 The system shall display the confirmation message: "information updated successfully."

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## **Functional Requirement:**

### **User Management Requirements**

#### **5. The parent/supervisor shall be able to create learner profiles.**

5.1 The system shall allow the parent/supervisor to add new learner profiles under their account.

5.2 The system shall require input such as learner name, age, and learning level.

5.3 The system shall store each learner profile under the parent's account.

5.4 The system should grant the user access to the child's page.

#### **6. The parent/supervisor shall be able to edit learner profiles.**

6.1 The system shall allow the parent/supervisor to select an existing learner profile under their account for editing.

6.2 The system shall allow modification of learner details such as name, age, and learning level.

6.3 The system shall update the learner profile information in the database after saving the changes.

#### **7. The parent/supervisor shall be able to track child history.**

7.1 The system shall display child history data, including completed videos and watched time.

7.2 The system shall update progress automatically based on child activity.

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- **Functional Requirement:**

- Administrator Management Requirements**

- 5. The Admin shall be able to create a new account.**

- 5.1 The system shall allow the admin to enter user name, email address and password.

- 5.2 The system shall verify that the user name and email address is not already registered.

- 5.3 The system shall create a new account if verification is successful.

- 5.4 The system shall display a confirmation message: "Account created successfully."

- 6. The Admin shall be able to log in.**

- 6.1 The system shall allow the admin to enter an email and password.

- 6.2 The system shall verify that the email exists in the database.

- 6.3 If the email is not found, the system shall display: "Invalid email or password."

- 6.4 If the email exists, the system shall verify the password.

- 6.5 If the password is incorrect, the system shall display: "Invalid email or password."

- 6.6 If the credentials are correct, the system shall grant access to the user account.

- 7. The Admin shall be able to log out securely.**

- 7.1 The system shall terminate the active admin session upon logout.

- 7.2 The system shall redirect the admin to the login page.

- 7.3 The system shall display the confirmation message: "You have logged out successfully."

- 8. The Admin shall be able to modify personal information.**

- 8.1 The system shall allow the admin to access their personal information page.

- 8.2 The system shall allow the admin to edit fields such as name or contact details.

- 8.3 The system shall validate the modified information before saving.

- 8.4 The system shall update the information in the database.

- 8.5 The system shall display the confirmation message: "Personal information updated successfully."

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- **Functional Requirement:**

### **Content and Course Management Requirements**

#### **8. The administrator shall be able to create educational tracks.**

8.1 The system shall allow the administrator to enter a title, description, and category for each track.

8.2 The system shall save the created track in the database.

8.3 The system shall display the confirmation message: “Educational track created successfully.”

#### **9. The administrator shall be able to categorize educational tracks.**

9.1 The system shall allow the administrator to assign each track to a main category (e.g., Art, Science, Languages).

9.2 The system shall display the assigned category when browsing tracks.

#### **10. The administrator shall be able to upload educational videos.**

10.1 The system shall allow the administrator to upload video files to the platform.

10.2 The system shall process uploaded videos by converting them to supported formats and generating quality levels.

10.3 The system shall notify the administrator once processing is complete.

#### **11. The administrator shall be able to assign videos to tracks.**

11.1 The system shall allow linking each uploaded video to a specific track.

11.2 The system shall store the association between video and track in the database.

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- **Functional Requirement:**

### **Content and Course Management Requirements**

#### **13. The user shall be able to search for videos.**

13.1 The system shall provide a search bar for users to enter keywords.

13.2 The system shall display matching videos based on title or description.

#### **14. The system shall provide filters for search results.**

14.1 The system shall allow users to filter results by category (e.g., Drawing, Languages).

14.2 The system shall update results dynamically based on selected filters.

#### **15. The user shall be able to view video producers works.**

15.1 The system shall display video information including producer.

15.2 The system shall allow user to access producers works.

#### **15. The user shall be able to view a promotional video on the homepage.**

15.1 The system shall display a teaser or promotional video on the homepage to introduce the platform.

15.2 The video shall be playable directly from the homepage interface.

15.3 The video shall include a visible play button to initiate playback.

#### **16. The user shall be able to access the full video library from the homepage.**

16.1 When the user clicks on the promotional video or the “View All Videos” button, the system shall redirect to the video library page.

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- **Functional Requirement:**

- **Video Playback Requirements**

- **15. The system shall provide secure video playback.**

- 15.1 The system shall use a dedicated player to display educational videos.

- 15.2 The system shall restrict direct download access to video files to protect content.

- **16. The video player shall support high-definition playback.**

- 16.1 The player shall automatically adjust video quality based on connection speed.

- **17. The user shall be able to control video playback.**

- 17.1 The system shall allow pausing and resuming the video.

- 17.2 The system shall allow fast-forwarding and rewinding.

- 17.3 The system shall allow adjusting the volume.

- 17.4 The system shall allow switching to full-screen mode.

- **18. The system shall track learner progress during playback.**

- 18.1 The system shall record the last watch point for each video.

- 18.2 The system shall save the watch point in the learner's profile.

- 18.3 The system shall allow resuming playback from the saved point.

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- **Functional Requirement:**

### **Communication and Support Requirements**

#### **19. The user shall be able to submit an inquiry through the contact form.**

19.1 The system shall provide a “Contact Us” form with the following fields: Name, Email Address, Subject, and Message.

19.2 The system shall send the submitted data to the designated support or communication email address.

19.3 The system shall display a confirmation message upon successful submission.

19.4 The system shall validate required fields and display alerts for missing or invalid input.

#### **20. The administrator shall be able to manage inquiries manually via email.**

20.1 The system shall notify the administrator by email for each new inquiry.

20.2 The administrator shall respond to inquiries externally using email.

20.3 The system shall not include a ticket tracking interface or status updates.

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- **Non Functional Requirement:**

### **1-Security:**

-Data Encryption: All sensitive data must be encrypted both in transit and at rest

### **2-Usability:**

- User Interface: The system should be intuitive and easy to navigate for users with no prior training

### **3-Availability:**

-The system should be available at all times (24/7)

### **4-Reliability:**

-Uptime: The system must have 99.9% uptime over a year.

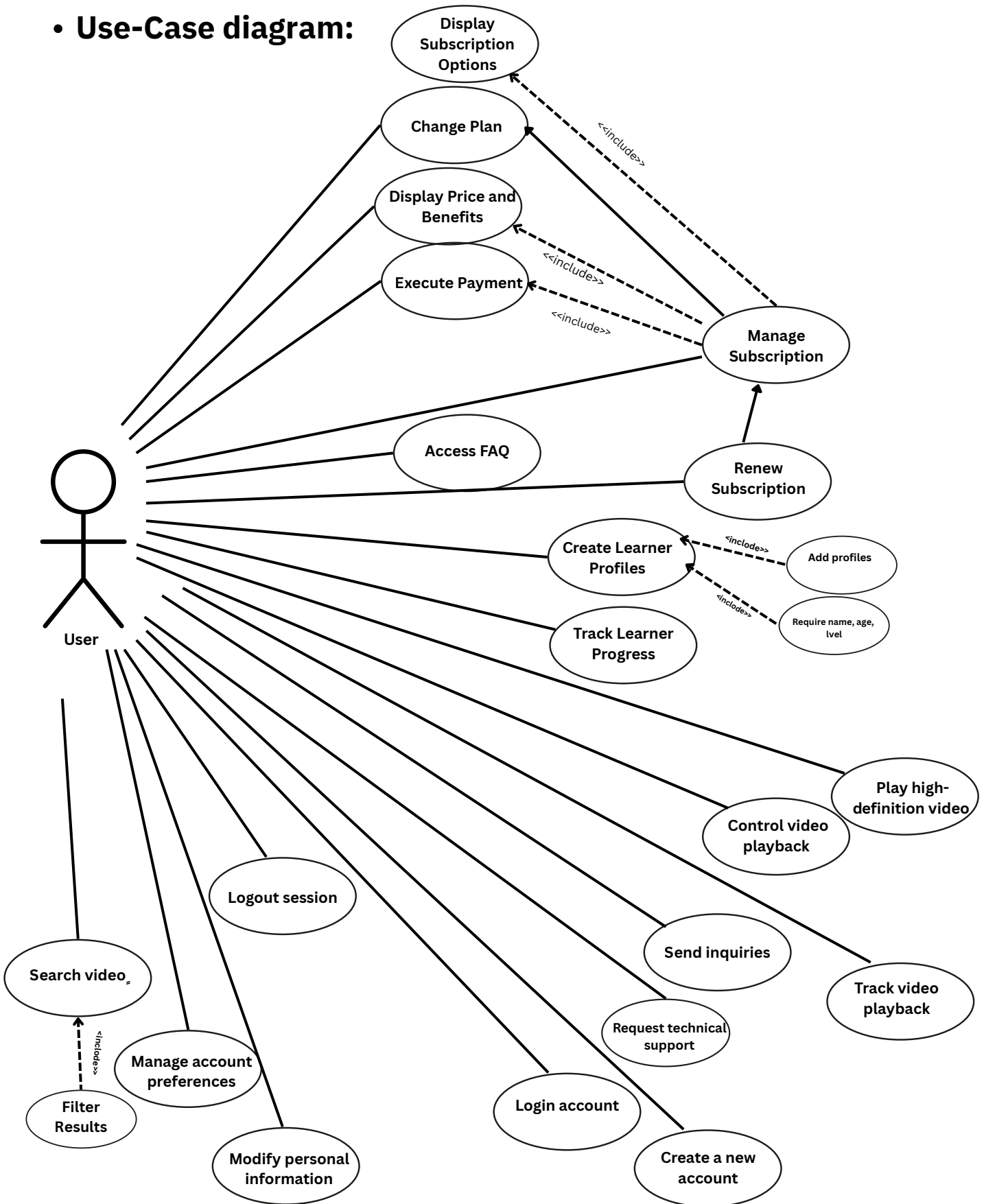
### **5-Performance:**

-Response Time: The system should respond to user requests within 2 seconds.



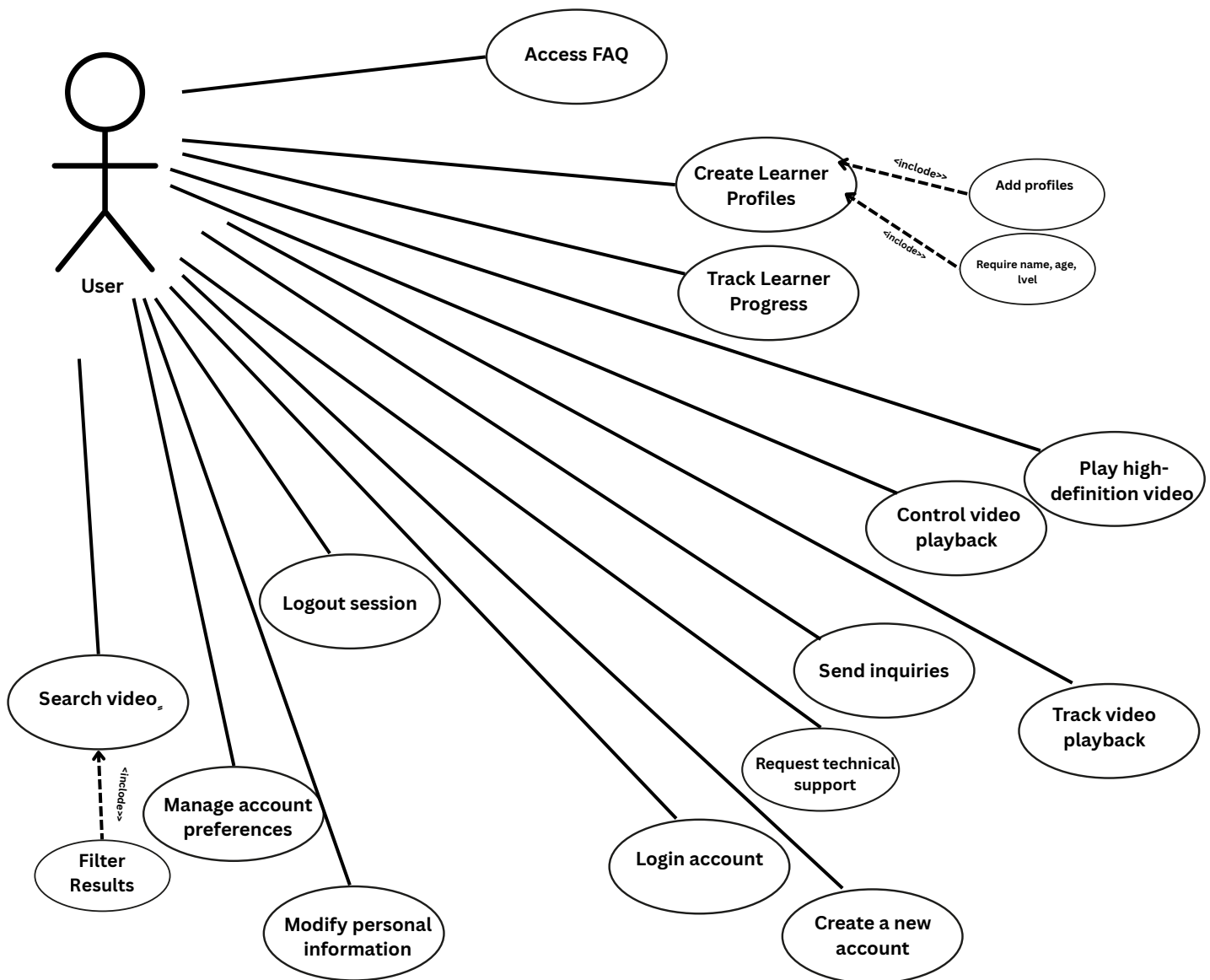
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• Use-Case diagram:

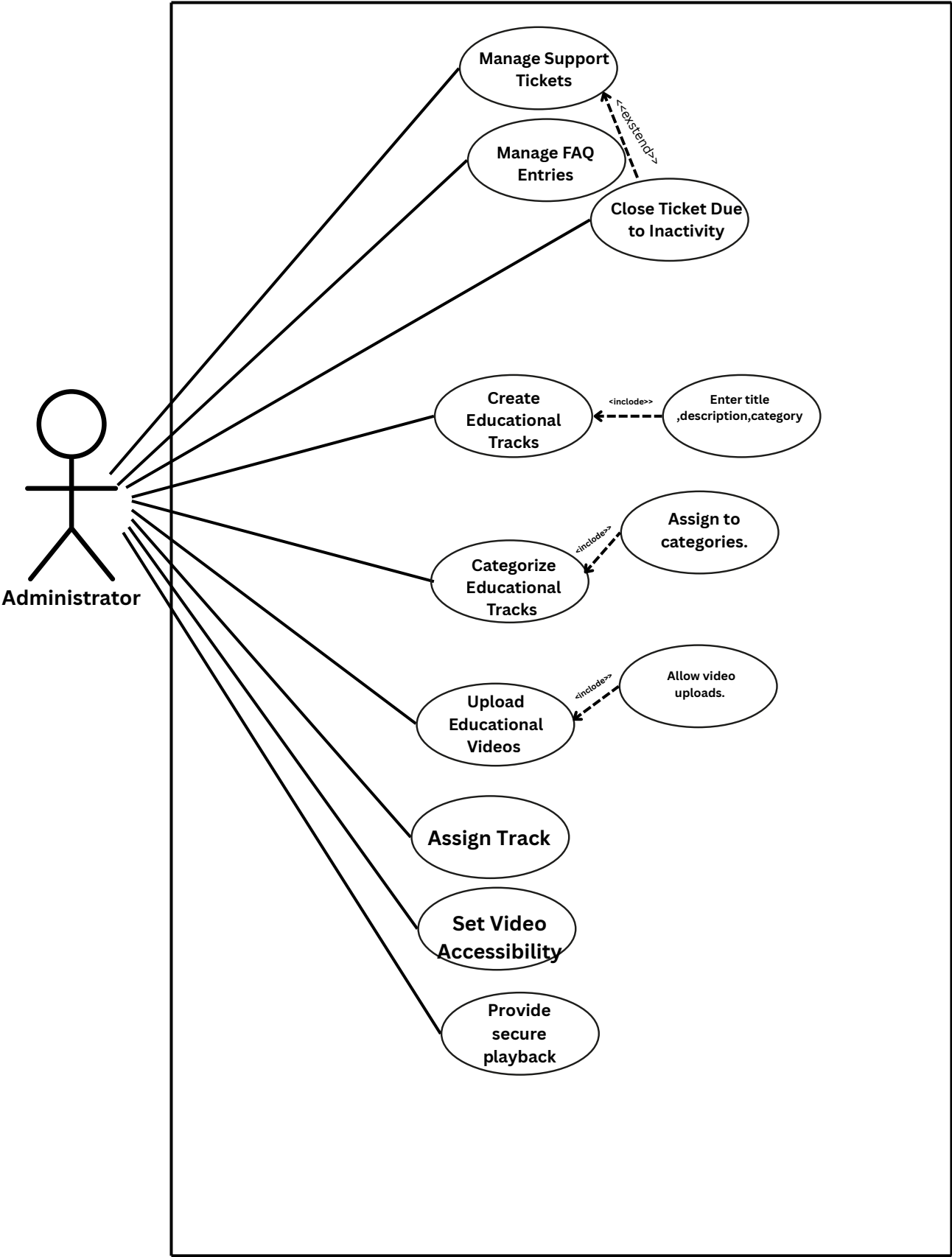


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- Use-Case diagram:

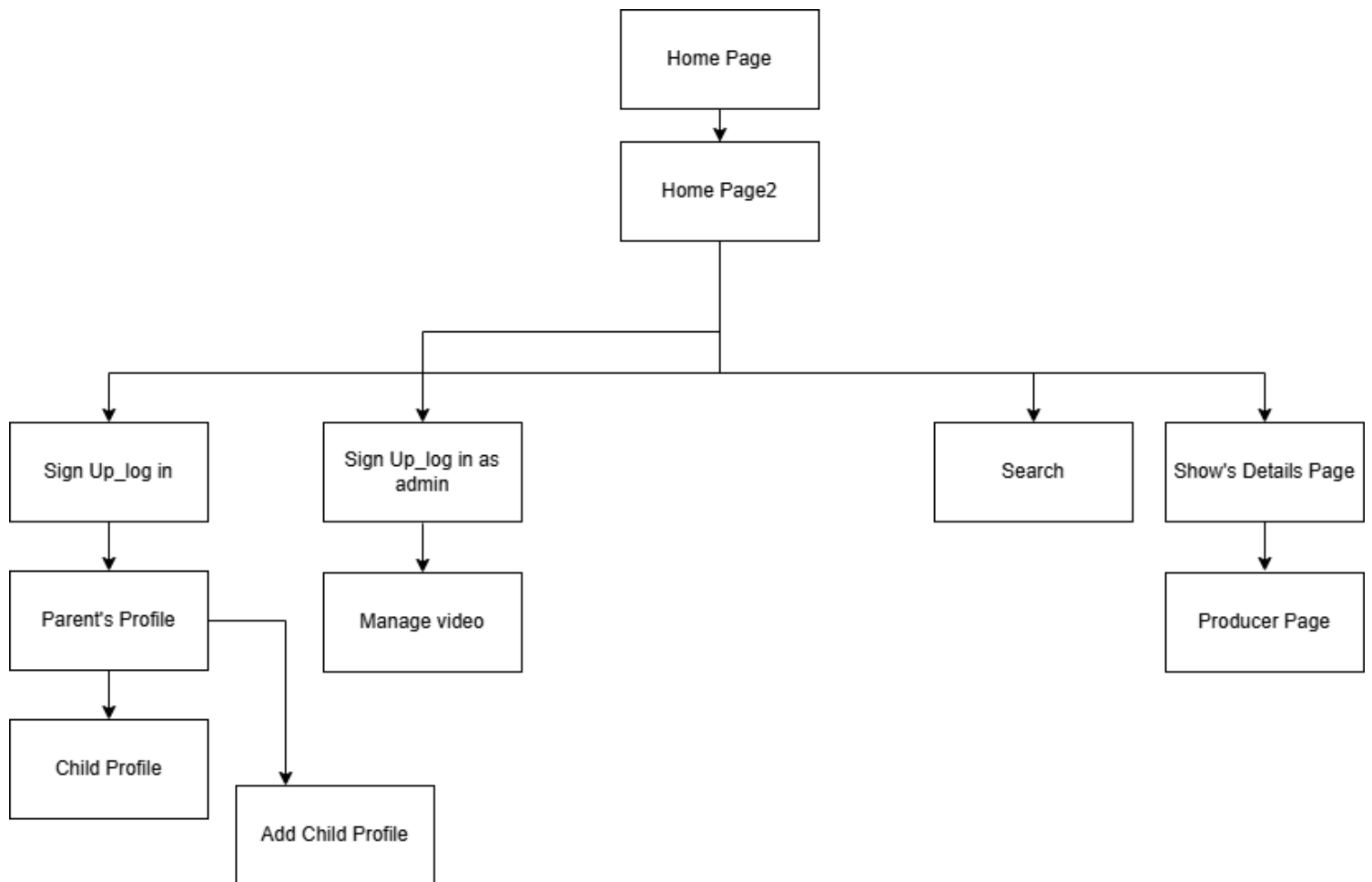


Use-Case diagram:



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- SiteMap





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- **Individual task for each member:**

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- **Meeting time:**

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Shahad, attended all meetings	Friday (2 hours) Saturday (3 hours)
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