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**Subject: Final Project**

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**Project Name: DigitalMart**

**Brief description of the project idea:**

The project is a website that gives users access to detailed reviews of electronic products such as mobile phones, computers, and accessories. The site also provides purchase links from several online stores such as Amazon, Shein, and AliExpress, with the aim of facilitating the purchase process and earning a commission percentage from sales made through affiliate links.

**Functional requirements:**

1. **Manage product reviews**:
   * System for adding, modifying and deleting revisions.
   * Classification of products by categories (mobile, computer, accessories... etc).
   * Provide user ratings and reviews.
2. **Integration with e-stores**:
   * Link the site to stores such as Amazon, Shein, and AliExpress using affiliate links.
   * Display "Buy" buttons that take users to online stores.
3. **Users System**:
   * Create user accounts (login and new registration).
   * The ability to add reviews and ratings from users.
4. **Search and filtering**:
   * Offer a powerful search system to filter products based on price, brand, and reviews.
5. **Advertising System**:
   * The ability to display paid ads within the site.

**Non-functional requirements:**

1. **Performance**:
   * The site should be responsive with short load time.
2. **Security**:
   * Protect users' data from hacks and cyberattacks.
3. **Scalability**:
   * Design the site to be able to accommodate a large number of users and products over time.
4. **Availability**:
   * The site should be available around the clock without interruptions.
5. **Ease of use**:
   * Simple and easy-to-navigate user interface design so users can access content easily.

**Stakeholders:**

1. **Project owner**: The person who manages the site and earns commissions from purchases.
2. **End Users**: Site visitors who are looking for product reviews and want to buy.
3. **Marketing Partners**: Online stores that will be purchased from such as Amazon and AliExpress.
4. **Advertisers**: Companies that want to advertise their products on the Site.

**Objectives of the system:**

1. **Increase the number of users**: Attract more visitors to the site by providing useful and reliable content.
2. **Monetization**: Earn a percentage of commissions via affiliate purchase links and ads.
3. **Building trust**: Provide transparent and reliable product reviews through users and experts.

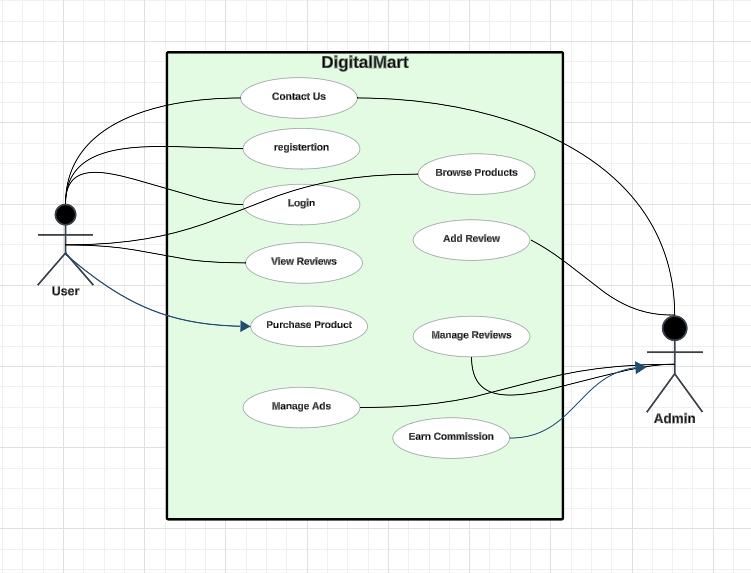
**The sequence of operations within the system:**

1. User visit to the Site.
2. User browsing of products and reviews.
3. The user uses the search or filtering system to find the right product.
4. Read reviews and user ratings of products.
5. Choose the product and click on the "Buy" link that directs it to online stores.
6. Complete the purchase process on the store's website.
7. The site earns a commission on every sale made through affiliate links.

**Expected risks:**

1. **High competition**: Having similar sites can reduce the chances of a site gaining a large number of users.
2. **Technical issues**: The site may experience interruptions or slow performance.
3. **Changes to affiliate program terms**: Stores like Amazon may change commission rates or subscription terms.
4. **Fake reviews**: The site may be subject to unreliable or fraudulent reviews.

**Use Case Diagram**

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