

**Software Mobile Development , Spring 2024**  
**Project**

Deadline: 23rd May

You are required to develop an E-commerce platform for vendors and shoppers in Egypt. Vendors can create profiles and list their products, with images and descriptions and prices. Shoppers can browse, comment on products, and make orders.

- Shoppers are allowed to add comments on the post and rate it as well but must be logged in to do so.
- The average rating should show on each product.
- Products can be categorized into different categories.
- Vendors must be logged in to create their profiles and products.
- Non-logged-in users can still browse, search, and read everything about the products.

Your app should include:

- User authentication and authorization for both vendors and shoppers
- Several screens with navigations (bottom, tabs, drawers, etc. Not necessarily all of them.) at least:
  - a) SignUP/SignIn
  - b) User Profile
  - c) Products
  - d) Product
  - e) Vendor Profile... etc
- Online Database (Firebase) at least:
  - a) Users
  - b) Products
- Push notifications for Example:
  - a) Vendor adds product.
  - b) Vendor announces for discount.
  - c) Comments.
- Error handling. for Example:
  - a) Connection issues.
  - b) Wrong inputs validation.

- c) Wrong credentials.
- At least 2 features out of the scope of the course.  
for Example:
  - a) Upload Image (Gallery or Camera).
  - b) Email or SMS notification.
  - c) Handling shopping cart process including transactions.
  - d) A way to keep user logged in even he/she closed app like refresh token.
- Good UI and UX .
  - a) You have to follow lecture 10 titled : Prototyping HIG Material
  - b) You have to develop a prototype for your application using Figma, you can use templates according to your product. *just screens design*
  - c) Do not forget to use Cupertino library for iOS devices and Material for Android.

All the classes will do the same app, so your app better stand out.

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**Submission guidelines:**

- **Submit a Demo video for the App running.**
- **Submit Project Folder zipped**
- **Submit Figma Link.**

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