

The diagram illustrates the architecture and data flow of a Java web application. It includes the following components and interactions:

- Frontend Pages (Use Cases):** Login/Sign Up Window, Home, About, Gallery, Image/Video, Send Comment, Send Message, and Admin.
- Backend Components:** Container (Servlets), DAO Java files, Bean Java files, DBConnection.java, and Database.
- User Interaction (Green Arrows):**
  - Home, About, and Gallery are interconnected.
  - Home and Gallery interact with Send Message.
  - Image/Video and Send Comment interact with the Container (Servlets).
  - The Admin page has Send Message and Send Comment buttons that interact with the Container (Servlets).
- Backend Operation (Blue Arrows):**
  - The Container (Servlets) interacts with DAO Java files, Bean Java files, and DBConnection.java.
  - DAO Java files interact with the Database.
  - DBConnection.java interacts with the Database.
- Annotations:**
  - "Gallery renders list of images from Servlet Get call in grid display." points to the Gallery.
  - "Servlet returns image/video and list of comments from DB." points to the Image/Video.
  - "Business logic with DB connection and operations." points to DBConnection.java.
  - "Classes that encapsulate many objects into a single object. Example: Get/Set functions." points to Bean Java files.
  - "Admin can reply messages/comments." points to the Admin's Send Message button.
  - "Admin is notified if recieved message/comments and upload images/videos." points to the Admin use case.

Home, About, and Gallery pages can send messages/comments after account registration. Communiiation window will appear after logged in.