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Subject: Project Proposal - Item Swap and Bartering Website

Overview: This project will be an Item-Swap and Bartering website. Users will be able to create
an account to make a profile and create listings for an item. They will be able to browse and
search other listings and make offers on those listings. Offers can include items and money. The
listing will have a picture uploaded by the user, requested offers (items/money or both), and a
description of the item. The listing page will also include a link to the posting user's profile.

This website will showcase HTML, CSS, JavasScript, and PHP. The website will also
incorporate the use of a mySQL database for the creation, maintenance, and storage of data.

Functional Requirements:

ID	Title	Description
REQ-1	Usernames	Each user must have a unique username
REQ-2.1	Create Account	A user must create an account to do anything other than view the homepage
REQ-2.2	Sign Up Fail	If a username is already in use, must generate an error message.
REQ-3.1	Log In	User must log in using username and password created during account creation to use website
REQ-3.2	Log In Fail	If username and password is not recognized, must generate an error message
REQ-4	User Profile Listings	All listings for the user's whose profile is being viewed must be shown
REQ-5	Create Listing	A user must be able to create a listing with a picture, title, and description when logged in.

REQ-6	Delete Listing	A user must be able to delete their own listings when logged in
REQ-7	Search Listings	A user must be able to search for users, and listings when logged in.
REQ-8	Edit Listing	A user must be able to edit the description associated with their listings when logged in.
REQ-9	View Listing	A user must be able to see the details of listings posted by themselves and other users
REQ-10	Send Offer	Logged in users must be able to send an offer on another user's item
REQ-11	View Sent Offers	Logged in user must be able to see offers they have made to other's posts
REQ-12	View Received Offers	Logged in users must be able to view all offers that have been made for their items
REQ-13	Delete Received Offers	Logged in users must be able to delete offers received from other users
REQ-14	Delete Sent Offers	A user must be able to delete offers they have sent to others.

Non-Functional Requirements:

ID	Title	Description
REQ-15	User Interface	The site should be human readable and visually interesting
REQ-16	Communication	The site should facilitate effective communication between users