

Group 10: Wanna-Be-Blocket

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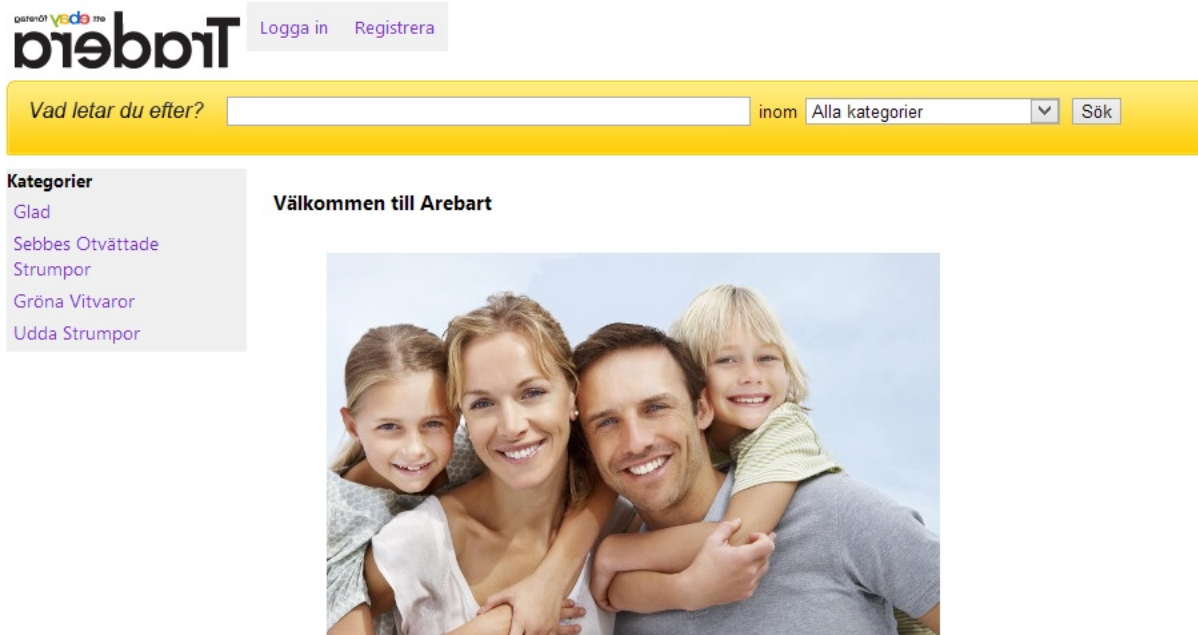
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General Overview

We decided to make an auction house site inspired by Tradera, which allows people to sell items online. In short it would help people get in contact with other people who are interested in buying their items. Henceforth our site will be known as Arebart.



Generated with "Web Application DAT076 Generator v1.2 BETA"

Arebart is developed for users only and no admins, because we decided to focus on the users aspect.

- ☐ Create User
 - ☐ Press the register link.
 - ☐ Enter a username, password twice, and an email.
 - ☐ Press the register user button.
- ☐ Login
 - ☐ Press the login link.
 - ☐ Enter an existing username and its matching password.

- ☐ Press the login button.
- ☐ Update User Password
 - ☐ Press the my page link.
 - ☐ Enter your password.
 - ☐ Enter the new password twice.
 - ☐ Press the submit button.
- ☐ Logout
 - ☐ Once you're logged in, press the logout link.
- ☐ Create Auction
 - ☐ Press the create auction link.
 - ☐ Enter a title to describe your auction.
 - ☐ Optionally enter a description about your auction.
 - ☐ Set a date and time for when the auction ends
 - ☐ Press the post button.
- ☐ Search with category
 - ☐ Enter a search query into the search box.
 - ☐ Choose one of the categories from the drop down box.
 - ☐ Press the search button.
- ☐ Search without category
 - ☐ Enter a search query into the search box.
 - ☐ Press the search button.
- ☐ Side menu category shortcuts
 - ☐ Press one of the categories links to the far left of the page.
- ☐ Browsing Auctions
 - ☐ If your search results in more than three auctions then two new buttons appear; previous and next.
 - ☐ Press next to get the next three auctions.
 - ☐ Press previous to get the three earlier auctions.
- ☐ See auction details
 - ☐ When browsing auctions, click the title of an auction
 - ☐ On the following page, you can see auction title, description, time left and bids
- ☐ Bidding
 - ☐ Enter the price you are willing to place on the auction.
 - ☐ Press the place bid button.
- ☐ Home page shortcut
 - ☐ Press the Arebart official logo in the top left corner of the page.

Technical Design of the System

- Servlets

Arebart uses servlets for authentication, via the login and logout servlets. In addition to this servlets are used in order to handle account creation and updating the users password. The main reason for using servlets is the ability to forward users to private pages (in WEB-INF) or

public pages depending on whether there is currently a logged on user or not.

- Services

The web application uses a REST API for listing auction items in order to increase user experience, this by reducing the number of page reloads required while browsing auction.

- Facelets & Beans

The largest part of the frontend is serviced by facelets and beans. We used a template facelet as a base for all application pages allowing minimal repeat of xhtml code. We also use beans to connect the view with the model, e.g. by dynamically creating menus using the current information in the database.

- Packages

- com.wannabeblocket.ah - Contains general application classes.
- com.wannabeblocket.ah.beans - Contains facelet beans.
- com.wannabeblocket.ah.services - Contains REST api:s
- com.wannabeblocket.ah.servlets - Contains servlets
- com.wannabeblocket.ah.core - Contains base application classes.
- com.wannabeblocket.ah.core.constants - Contains application string constants.
- com.wannabeblocket.ah.core.navigation - Contains base navigation classes.
- com.wannabeblocket.ah.exception - Contains custom exception.
- com.wannabeblocket.ah.model - Contains the logic for application model.

Application UML model diagram

