

The following lists the core functional capabilities of EyeSpy:

#### Functional Specifications:

##### Product Management System:

1. View product information
  - 1.1. View product price
  - 1.2. View product reviews
  - 1.3. View product rating
  - 1.4. View product's vendor
  - 1.5. View product's eyewear power options
2. Search feature
3. Create product list
4. Add/delete products
5. Modify existing products
6. Organize products by category/filter

##### Review Management System:

7. Return results based on user input
8. Select from various product categories
9. Save favorite products
10. Start initial search and keep pulling remaining entries
11. Allow users to post their own reviews on products
  - 11.1. Include ReCAPTCHA Verification

##### User Interface:

12. Framework for Website
13. Show dialogue box for user to type in and initiate search
14. Show navigation bar
15. Create and manage user and admin accounts
16. Select from various product categories
17. Save favorite products
18. Refresh
19. Manage ads
20. Track users
21. Manage preferences
22. Display message dialogue box if no results found
23. Display support contact information

#### Data Storage System:

- 24. Load product list
- 25. Update
- 26. Search parameters put in place
- 27. Store product information
- 28. Store product reviews

#### Affiliate Marketing System:

- 29. Provide link to product vendor's website
- 30. Display product vendor's webpage
- 31. Account each customer following product link
- 32. Account each customer making a purchase via following product link
- 33. Promote specific vendors at the top of the page

#### Non-Functional Specifications:

- 34. View 100 results per page
- 35. Display results within .5 seconds and continue to build more
- 36. Limit searches to 50 words to provide the most accurate results
- 37. Save favorite products within .5 seconds
- 38. Display category list within .5 seconds when user hovers over "Category"
- 39. Add/delete products within .5 seconds
- 40. Log in user within 2 seconds
- 41. Create accounts within 2 seconds after user provides necessary information
- 42. Store and display user reviews within .5 seconds
- 43. Limit ads to a maximum of 4 per webpage
- 44. Display error messages within 1 second
- 45. Display a refreshed web page within 2 seconds
- 46. Display search results using preferences within .5 seconds