

Milestone 2 - Features

Feature	Input	Activation	Action	Output
Pet Listing Page	None	User visits homepage	Fetches pets from DB	Display list of pets
Questionnaire Form	Form fields	User clicks 'Apply'	Validates & submits form	Shows submission success
Login System	Username/password	User clicks login	Authenticates user	Redirects to dashboard
Admin Approval	List of applications	Admin selects user	Marks user approved	Notifies user
Pet Selection	Select pet button	Approved user clicks	Assigns pet to user	Confirmation message
Conflict Resolution	Multiple requests	Admin clicks resolve	Admin assigns pet	Displays final adopter
Pet Filtering	Dropdown/search	User selects filter	Filters pet results	Refined pet list
Volunteer Panel	Pet info inputs	Volunteer updates pet	Saves to DB	Updated pet listing
Responsive Design	None	User changes screen	UI adjusts	Clean mobile view
Secure Storage	User data	Form submission	Encrypts data	Stores in DB
Performance Monitor	None	Page load	Measures speed	Under 2s
Notification System	System events	Status change	Sends email/message	Informs user