



# *Coddle*

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# *Contents*

- Synopsis of Coddle (such as goals, features etc.)
- Motivation behind the UI/UX Design.
- Internal architecture
- Security, scalability, resource utilization
- Strengths and weaknesses of the app



# Goals

- Our app Coddle aims to satisfy all the pet owner needs.
  - To provide advantages to pet owners.
  - To guide you to your nearest available stores to get your pet products and food according to their category.
  - To also direct the pet owners to nearest pet clinics.
  - To store all the data related to your pet.
  - To provide notifications and reminders to pet owners such as time for walking, grooming, etc.
  - To give substantial benefits to all the pet owners in maintaining a structure of details about their pet's health too.
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# Features

- Pet Analysis: Grooming, Walking
- Pet details storage
- Pet Food store finder
- Pet clinic finder
- Walking distance tracker with step count



# *Motivation behind UI/UX of Coddle*

- Colorful design.
- Salient buttons.
- User-friendly.
- Themes: toolbars etc., we have mostly used default.
- Easy to navigate.
- To make it simple to use for elderly people.
- We have used guerrilla testing.
- Satisfactory results.



# *Internal Architecture*

- Coddle is based on MVVM architecture (ModelView-ViewModel).

Component	Description
Fragments	The fragments we used represent the portion of user interface in the activities related to our UI.
Layouts	We have used recycler view. Contains complete UI of the app.
Views	These are used to build a user interface for an app using UI elements like buttons, lists, etc.
Notifications	It produces toasts to received background data i.e. for grooming, walking etc.
Strings	Used for adding text on buttons



# *Resource Utilization and Security*

- Firebase analytics: Firestore database- users database is stored.
- Id is automatically assigned. (Except for walking medical grooming.)
- ManifestXml: Security  
Permissions:(Internet,location,tracking etc.)
- Blogs: id, link, title, timestamp (without these app will crash: SECURITY PURPOSE).



# *Strengths*

- User friendly and smooth user interface.
- GPS tracking.
- Step count.

# *Weaknesses*

- Calorie count





# *Conclusion*

- Successfully implemented all the features.
- Unique from other pet apps.
- Suitable for all age groups.
- Food, water and walking reminders.





Thank  
you

Cuddle

