R2 Report: iOS app for Fabulyst.

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About Fabulyst

Fabulyst is a personal stylist app which aims to provide the following services -
- Search through various online retail websites based on personal preferences and provide a more personalised list of products to browse.
- Interactions with your own personal stylist through chat.
- Recommendations from friends and other users.
- Collections based on Trending fashion.

The Main advantage of this is that it saves on the user effort and time.

Consumer Base

The Primary target consumer base for this application as it stands now is *young females.*

- Consumers who would like to keep up with fashion trends.
- Consumers who predominantly shop online.
- Consumers who would like personalised shopping compared to browsing retail stores.
- However, this app could also in future be extended to a much wider audience.

Requirements

The primary aim of this project is to create an iOS Application for Fabulyst.
The Features required for the scope of our project include -

- User Login/Profile.
- Personalised User recommendations, Trends, Search.
- Navigation through the various views.
- Buying various items from different categories.
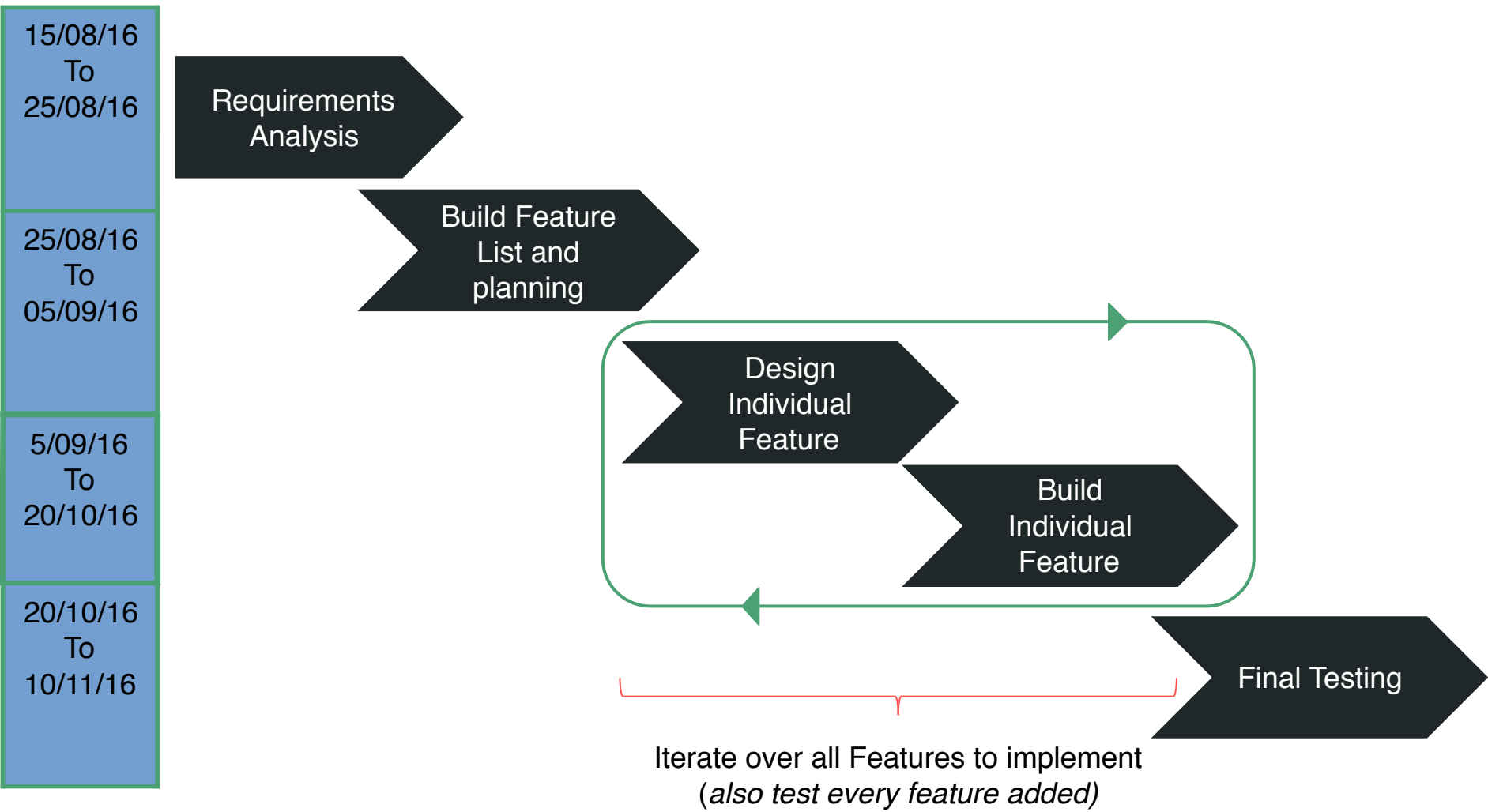- User Wishlist and Personalised handpicked collection.

Software Development Method

The software development method that we used for this project is *Feature Driven Development (FDD)*.
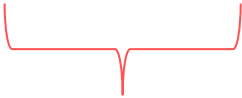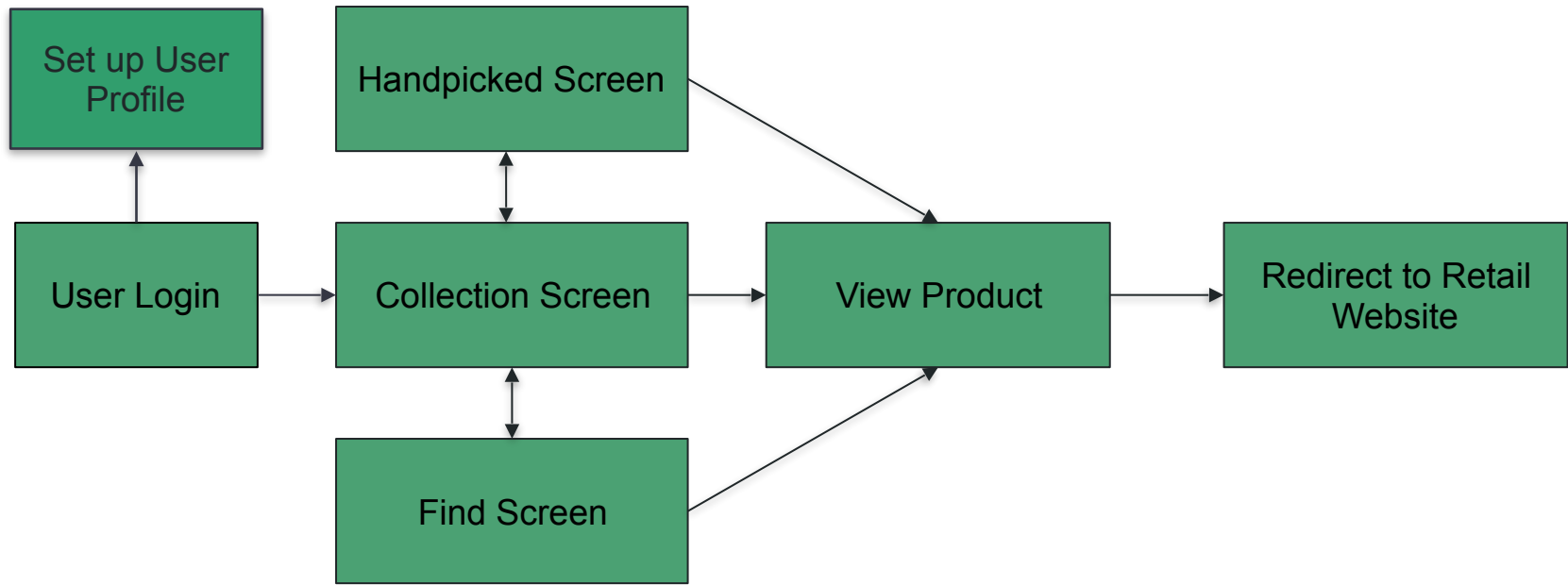The Reasoning behind this decision is due to the following -
   Most features work independently, therefore it is easier to design and implement
      working iterations while adding new features at each iteration.
   Allows a part of the testing to be done simultaneously.

15/08/16 To 25/08/16	Requirements Analysis
25/08/16 To 05/09/16	Build Feature List and planning
5/09/16 To 20/10/16	Design Individual Feature → Build Individual Feature
20/10/16 To 10/11/16	Final Testing

Iterate over all Features to implement
(*also test every feature added*)

Basic User workflow

```
┌─────────────┐      ┌──────────────────┐
│ Set up User │      │ Handpicked Screen│
│   Profile   │      │                  │
└─────────────┘      └──────────────────┘
      ▲
      │
┌─────────────┐      ┌──────────────────┐      ┌──────────────┐      ┌──────────────────┐
│ User Login  │─────▶│ Collection Screen│─────▶│ View Product │─────▶│ Redirect to Retail│
│             │      │                  │      │              │      │     Website       │
└─────────────┘      └──────────────────┘      └──────────────┘      └──────────────────┘

                     ┌──────────────────┐
                     │   Find Screen    │
                     │                  │
                     └──────────────────┘
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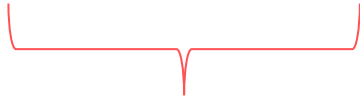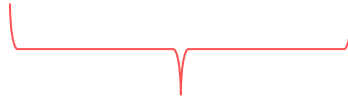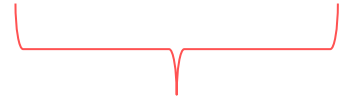
Users can login
through their
facebook
accounts.

Primary views of the
app. User can switch
between these using
the tab bar navigation.

Screen to view
product descriptions
and details like price
etc. and to allow user
to proceed with
purchase.

Redirect the user to
the relevant product
on an online retail
store so as to make
purchase.

Development Environment

Back-End	REST APIs
Primary Programming Language	Swift (*Objective C for Libraries*)
IDE/UI development	XCode 8
App Platform	iOS

Features requirements as per SRS and Progress in R1

S. no.	User Story Name	Description	Release
1.	Facebook login and logout.	The user will login/logout into the app using this facebook id.	R1
2.	Collection	Provide items sorted according to various categories.	R1
3.	Find	Provides custom sort options to user.	R2
4.	Handpicked	Provide all sorts of items according to your profile.	R1
5.	Rating, Review and share app.	User can rate/review this app on appstore and can also share this app among friends.	R2
6.	View Items	User can view an item and its description and images	R1
7.	Facebook profile create and delete	View and edit your fabulyst profile.	R1
8.	Suggest Items	Suggest items to user through API's.	R1
9.	Wishlist	Add an item to wishlist.	R2
10.	Like/Dislike, Share	Like, dislike and Share an item among friends.	R2
11.	Buy or purchase item	clicking Buy button will redirect user to specific website for placing an order and make payment.	R2

Changes made to R1 code

- Replaced all the stubs and placeholder assets in the code written for R1 with working code.

- Refactored the code to enable further changes added in R2

Features added in R2

- Implemented the Side menu to display Profile info, style sheet etc.

- Implemented the Find screen.

- Implemented the filters in the Find tab of the app.

- Redirects to online retailers added.

Meeting requirement of the project

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7.	Facebook profile create and delete	View and edit your fabulyst profile.	R1
8.	Suggest Items	Suggest items to user through API's.	R1
9.	Wishlist	Add an item to wishlist.	R2
10.	Like/Dislike, Share	Like, dislike and Share an item among friends.	R2
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DEMO

Problems Faced through the Project.

- Underestimation of the amount of effort required for some seemingly trivial tasks.

- Lack of proper resource allotment.

- Lack of prior experience in the development environment.

- Unforeseen setbacks not properly anticipated in the design plan.