

App Development 1 Project: Quantified Self

Basic Requirements Completed:

- ✓ User login
- ✓ Dashboard and Trend lines
- ✓ Tracker management
- ✓ Tracker log events

1. User Login: Multiple user login system with password has been implemented using flask-login library. New user can also sign-up with a unique username and password.
2. Dashboard: The main dashboard appears after user login with all trackers created by the user which has links to other functionality.
3. Trendlines: All tracker types have a plot associated with it which can be filtered for custom duration of logging. It has been implemented using Matplotlib library.
4. Tracker management: trackers have all basic functionality like add a tracker, view tracker logs, update and delete a tracker. Implemented using flask library and sqlite database integrated using Sqlalchemy ORM.
5. Tracker log events: Trackers have logs added to database through relation and have all CRUD operations like adding a log, updating, deleting and viewing all log details.

Additional Functionality:

1. Styling and Aesthetics: Bootstrap library has been used for basic styling of html.
2. API and export log function implementation is in progress.

Screenshots:

Welcome to Quantified Self


User Login

Username:

Enter your password:

Not a member? [Sign Up](#)

Figure 1 Login screen


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Welcome to Quantified Self

[Logout](#)

S.no	Tracker name	Tracker description	Add new log	Actions
1	Tracker 1	To track no of videos watched	Integer+	Edit Delete
2	Tracker 2	To Measure Soil Ph of my rose plant	Numeric+	Edit Delete
3	Tracker 3	To track running time	Time+	Edit Delete
4	Tracker 4	To track my mood	Multiple-choice+	Edit Delete

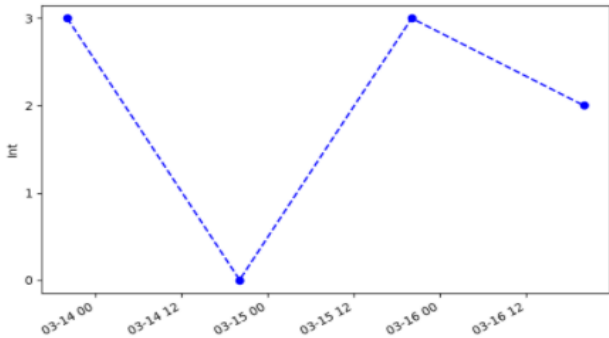
Figure 2. Dashboard

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Tracker name: Tracker 1

[Home](#) | [Logout](#)

Trendline:



Today

GO

For custom range first select 'Custom range'

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then enter start and end datetime:-

dd-mm-yyyy --:--

^

dd-mm-yyyy --:--

^

Log Entries

S.no	Timestamp	Value	Note	Actions
1	(16/Mar/2022, 20:01:05)	2	Systems command, MAD	Edit Delete
2	(15/Mar/2022, 20:02:06)	3	DBMS	Edit Delete
3	(13/Mar/2022, 20:02:53)	3	Quiz Revision	Edit Delete
4	(14/Mar/2022, 20:03:25)	0	Busy for family function	Edit Delete

Figure 3 Tracker Details