

Personal Productivity Application (Prodehp)



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Internal Guide:
Prof. Maitrey Patel

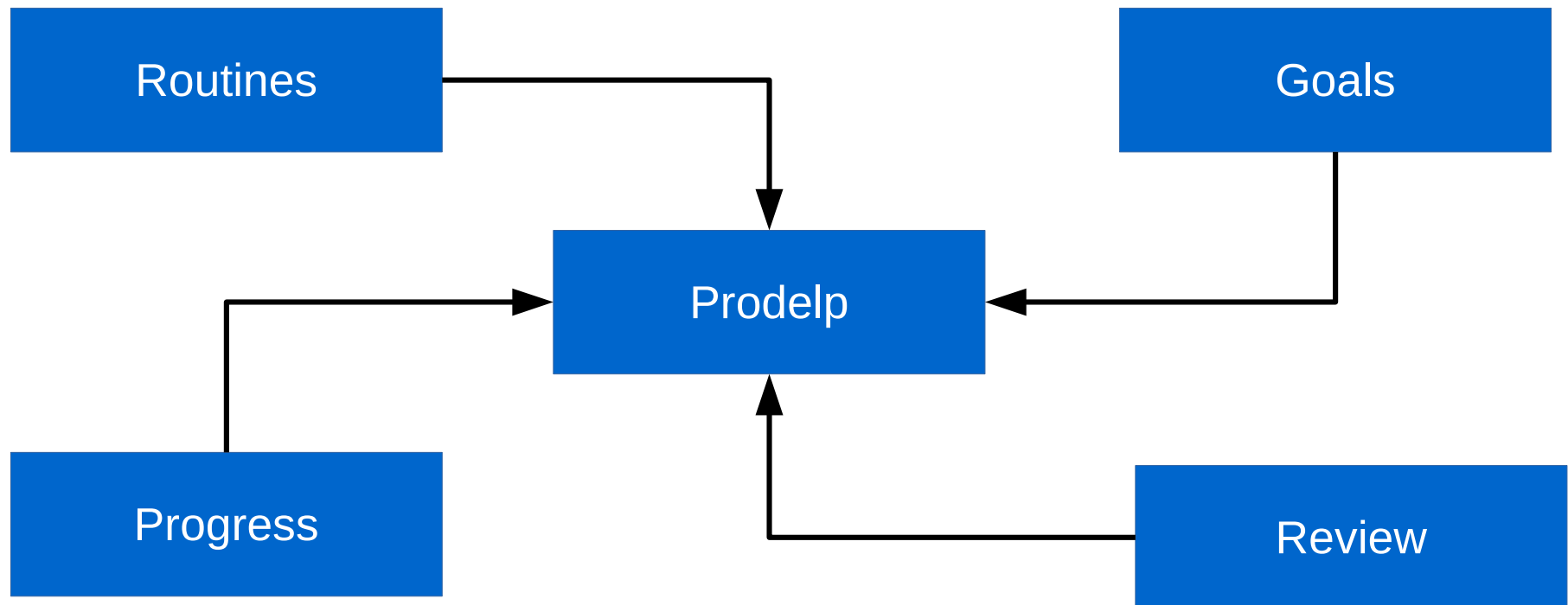
Outline

- Introduction
- Tools and Techniques
- Survey
- Project Management
- System Requirements Specifications
- Alternatives
- Features
- System Design
- Data Dictionary
- User Interface Design
- Conclusion and Future Plan
- References and Bibliography

Introduction

What is Prodelp?

- Prodelp is a mobile app which is aimed at improving the personal productivity of any user.



Routines

- Time is limited
- Accomplish more with less effort
- Make better decisions
- Reduce stress
- High quality work
- Less procrastination
- Mind control

Goals

- Work towards objectives
- Helps in time management
- Direct the effort
- Prioritize the tasks
- Gives clarity
- Establishes habits

Progress and Review

- Measure efficiency
- Make changes
- Strengths and Weaknesses
- Sense of direction

Objectives

- Make better use of time
- Accomplish more goals
- Assess and track the progress

Tools and Techniques

Tools and Techniques

- Agile development methodology
- Platform – Android
- Front End – Java & XML
- Back End – SQLite
- Editor – Eclipse with ADT Plug-in

Survey

Literature Survey

Literature Survey

- Daily Routines makes us more productive
www.lifehack.org [1]
 - Our daily routines can make a huge difference to how healthy, happy and productive we are.
 - Remembering to track each activity is the hardest part.
 - Instead of running around with a vague idea of what we want to accomplish, the right lifestyle routine can turn us into a productivity monster.

Literature Survey Contd...

- Artists make the best use of time everyday

Daily Rituals: How Artists Work [2]

- Routine, in an intelligent man, is a sign of ambition.
- Artists followed regular practice to be more creative and productive.

- Daily planning is essential for productivity

The Seven Habits of Highly Effective People [3]

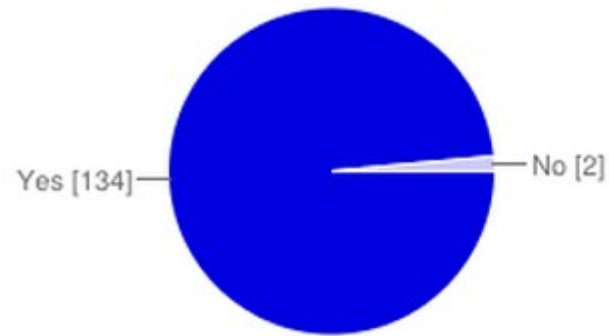
- Daily planning is needed to accomplish important goals and activities
- Daily planning prioritizes the things and gets more done.

Literature Survey Contd...

- Goal setting is important for accomplishing any target
www.lifehack.org [1]
 - Setting a goal puts ourselves into the target as if we'd already accomplished it.
 - Goal setting is one of the foremost weapons in the battle for self improvement.
 - By having clear goals we can regularly check that the work we are busy with everyday is in alignment with our dreams.

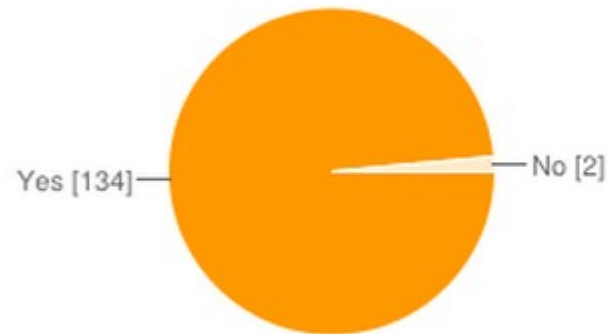
User Survey

Do you want to improve your life day by day?



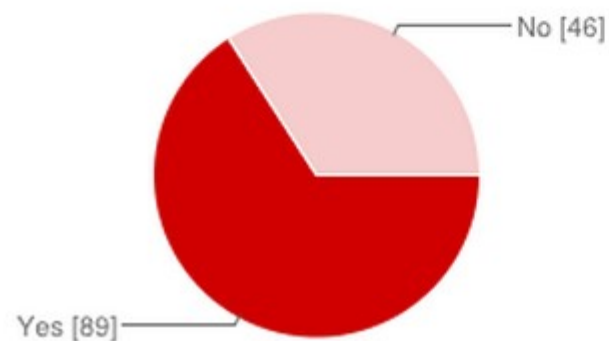
Yes	134	99%
No	2	1%

Do you think that the time is one of the most important factors of our life?



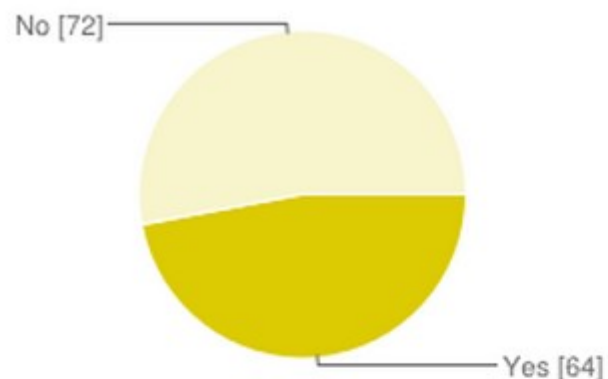
Yes	134	99%
No	2	1%

Do you always have the shortage of inspiration or motivation to do work?



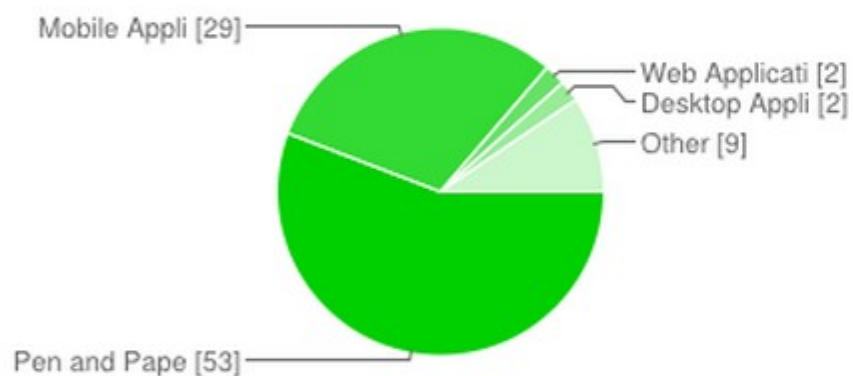
Yes	89	66%
No	46	34%

Do you make timetable for your day?



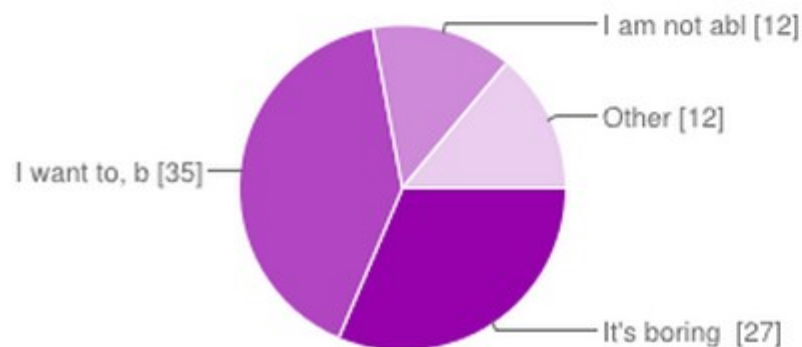
Yes	64	47%
No	72	53%

If you make timetable, what do you use?



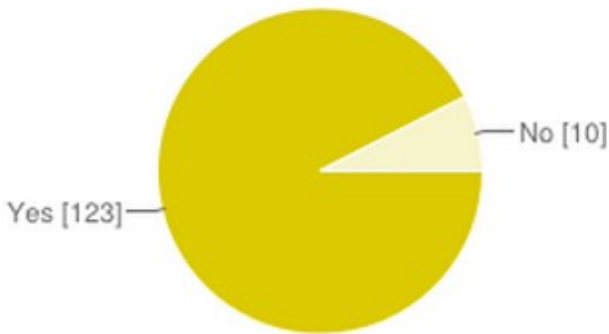
Pen and Paper	53	56%
Mobile Application	29	31%
Web Application	2	2%
Desktop Application	2	2%
Other	9	9%

If you don't make timetable, what is the reason?



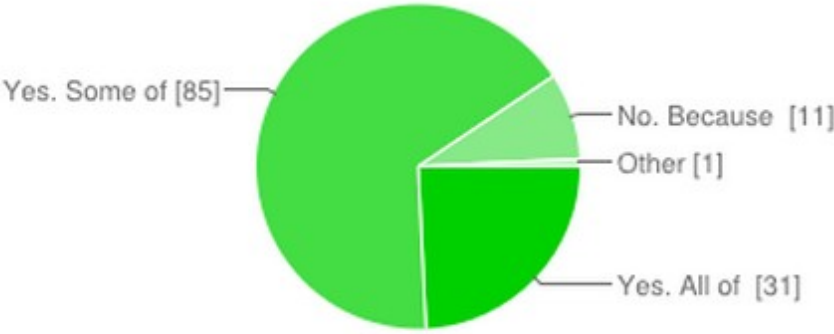
It's boring to live according timetable.	27	31%
I want to, but I forget.	35	41%
I am not able to find any good tool.	12	14%
Other	12	14%

Do you set goals?



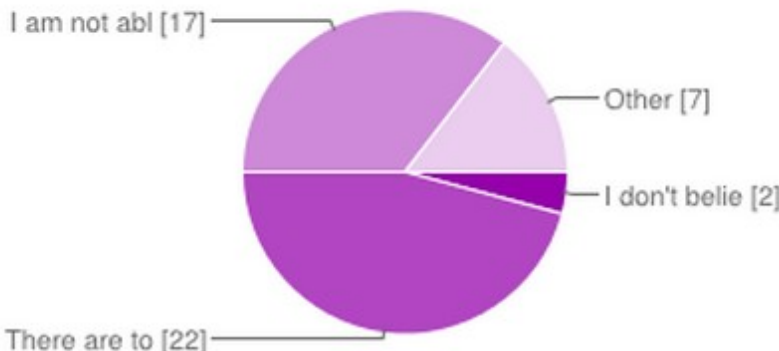
Yes	123	92%
No	10	8%

If you set goals,do you achieve all of them?



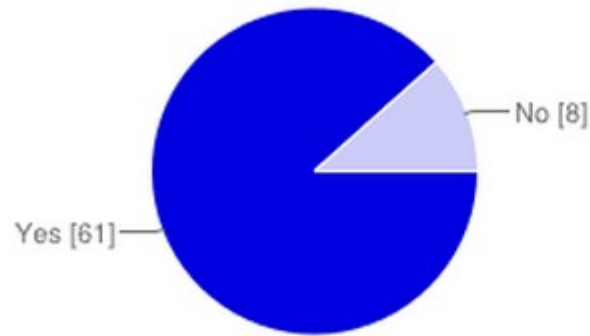
Yes. All of them	31	24%
Yes. Some of them	85	66%
No. Because I set too many goals and end up doing nothing.	11	9%
Other	1	1%

If you don't set goals, what is the reason?



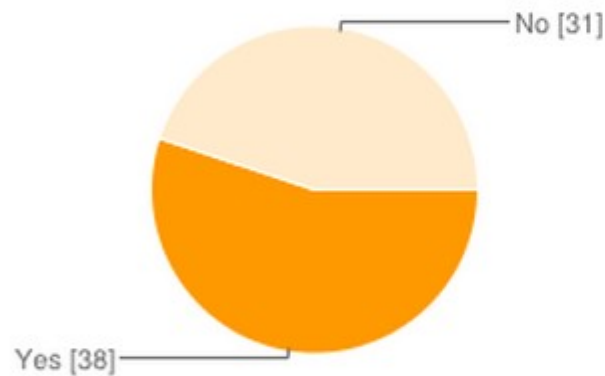
I don't believe in goal setting.	2	4%
There are too many goals.	22	46%
I am not able to prioritize.	17	35%
Other	7	15%

Do you want to track progress of all activities you perform throughout a day?



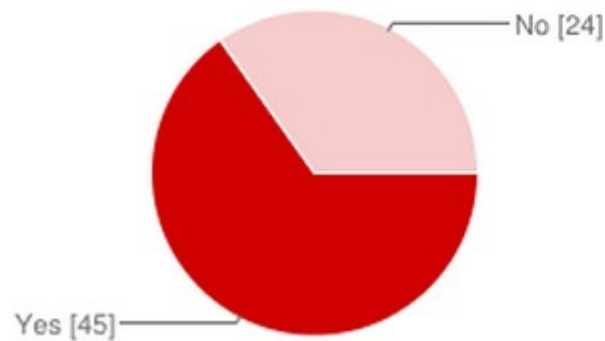
Yes	61	88%
No	8	12%

Do you review your day before going to bed at night?



Yes	38	55%
No	31	45%

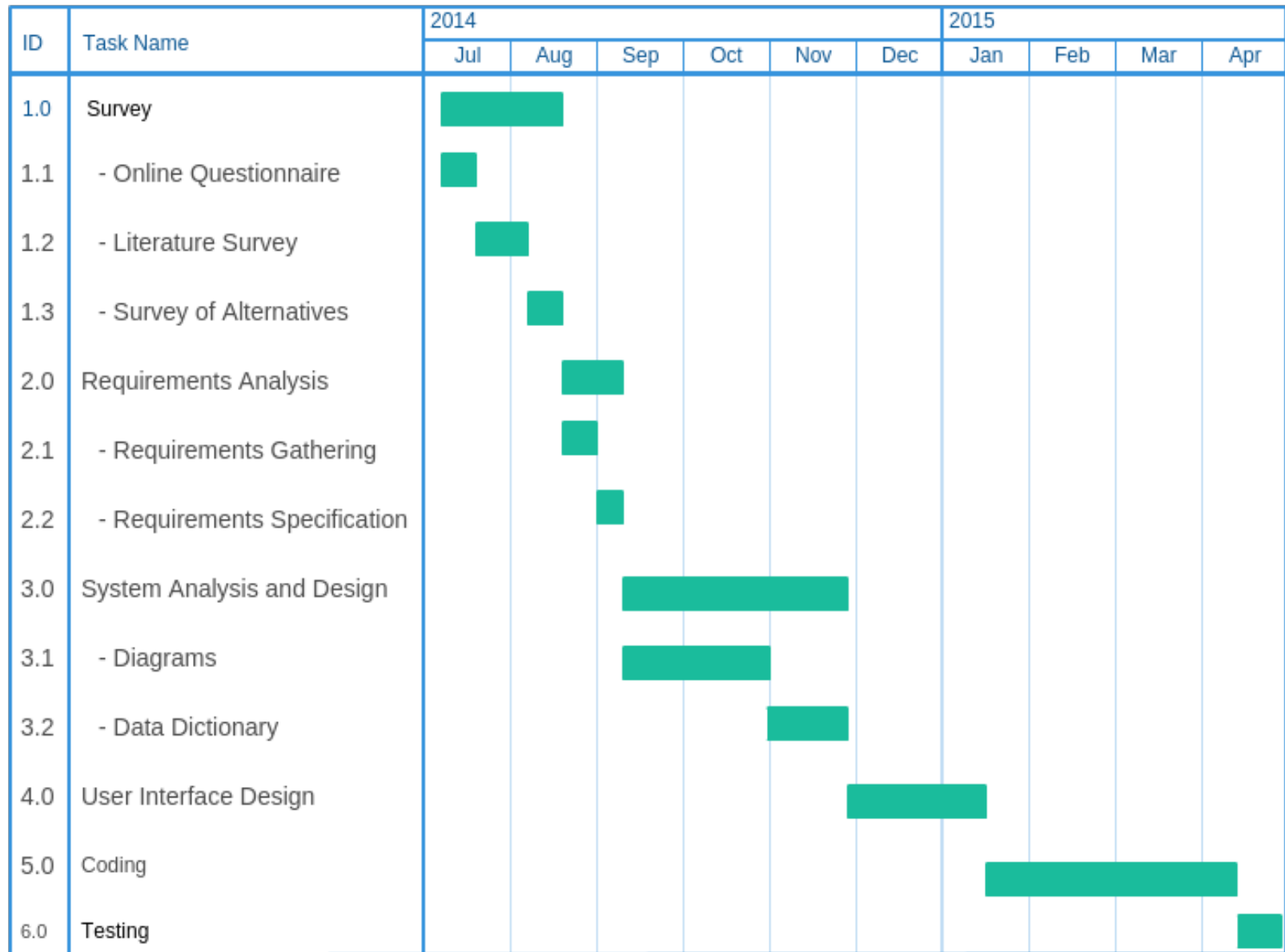
Do you decide the things to do next day before going to bed?



Yes	45	65%
No	24	35%

Project Management

Gantt Chart



Software Requirements Specification

Functional Requirements

- R.1 Manage routines
 - R1.1 Add routine
 - Input: new routine details
 - Output: list of routines
 - R1.2 Edit routine
 - Input: modified routine details
 - Output: list of routines
 - R1.3 Delete routine
 - Input: selected routine
 - Output: list of routines
 - R1.4 View routine
 - Input: selected routine
 - Output: list of activities

Functional Requirements Contd...

- R.2 Manage goals
 - R.2.1 Add goal
 - Input: new goal details
 - Output: list of goals
 - R.2.2 Edit goal
 - Input: modified goal details
 - Output: list of goals
 - R.2.3 Delete goal
 - Input: selected goal
 - Output: list of goals
 - R.2.4 View goal
 - Input: selected goal
 - Output: goal information

Functional Requirements Contd...

- R.3 View progress of routine and goals
 - R3.1 View progress of today
 - Input: select today
 - Output: progress information
 - R3.2 View progress of selected days
 - Input: select required days
 - Output: progress information

Functional Requirements Contd...

- R.4 Review routine and goals
 - R4.1 Review routine
 - Input: check completed activities
 - Output: progress information
 - R4.2 Review goals
 - Input: check completed goals
 - Output: progress information

Alternatives

Limitations of Pen and Paper

- No recommendations
- No easy modifications
- Not easy to manage
- No reminders
- Not able to track progress
- Manual work
- Not environment friendly

Limitations of Todo App

- No recommendations
- No routine feature
- No progress tracking
- No day review feature
- Too basic features
- No time limit on task
- No visual information

Limitations of Calendar App

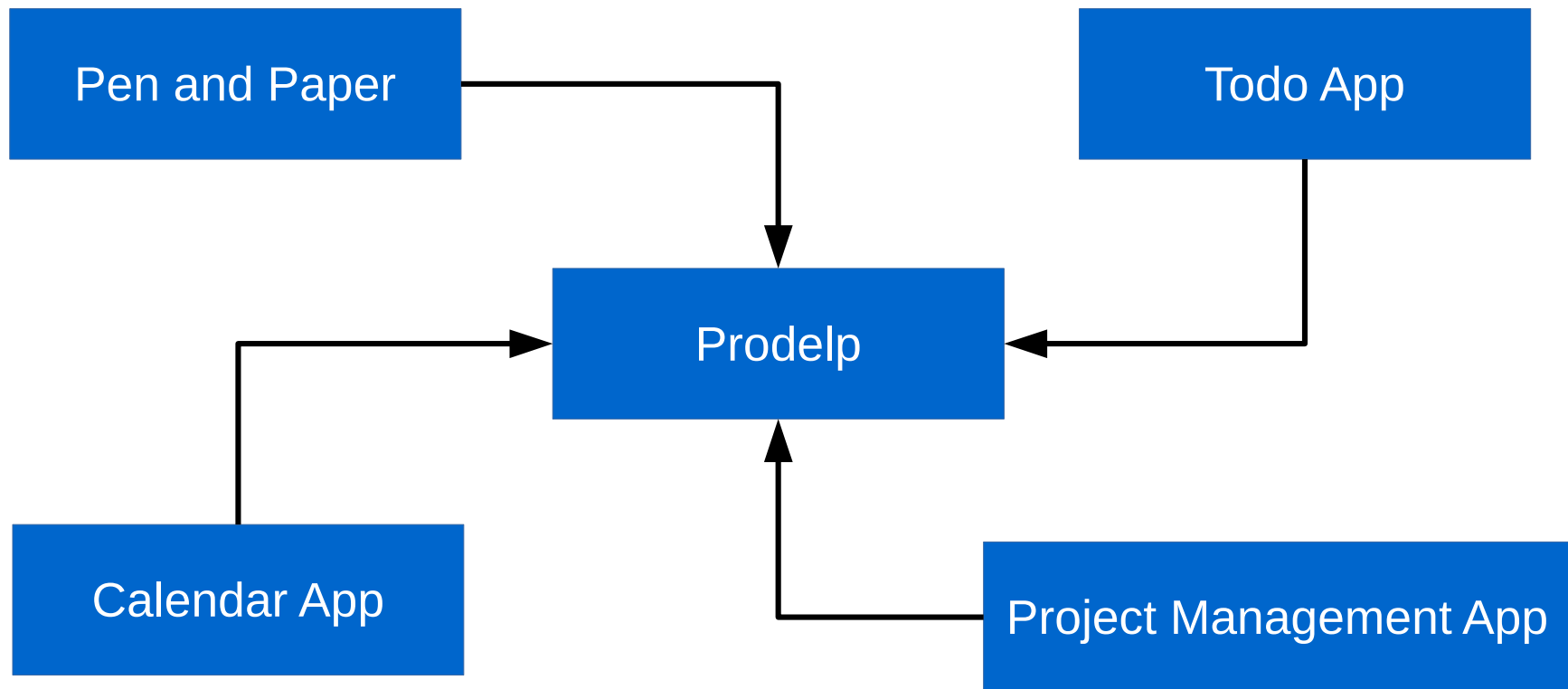
- No recommendations
- Not easy to copy routine
- No progress tracking
- No day review feature
- Not focused on a day
- Little complex for novice
- No templates

Limitations of Project Management App

- No recommendations
- No routine feature
- Not focused on a day
- Not for personal productivity
- Focused on team
- Very much complex
- Less flexible

Features

Features of Prodehp



Features of Prodehp

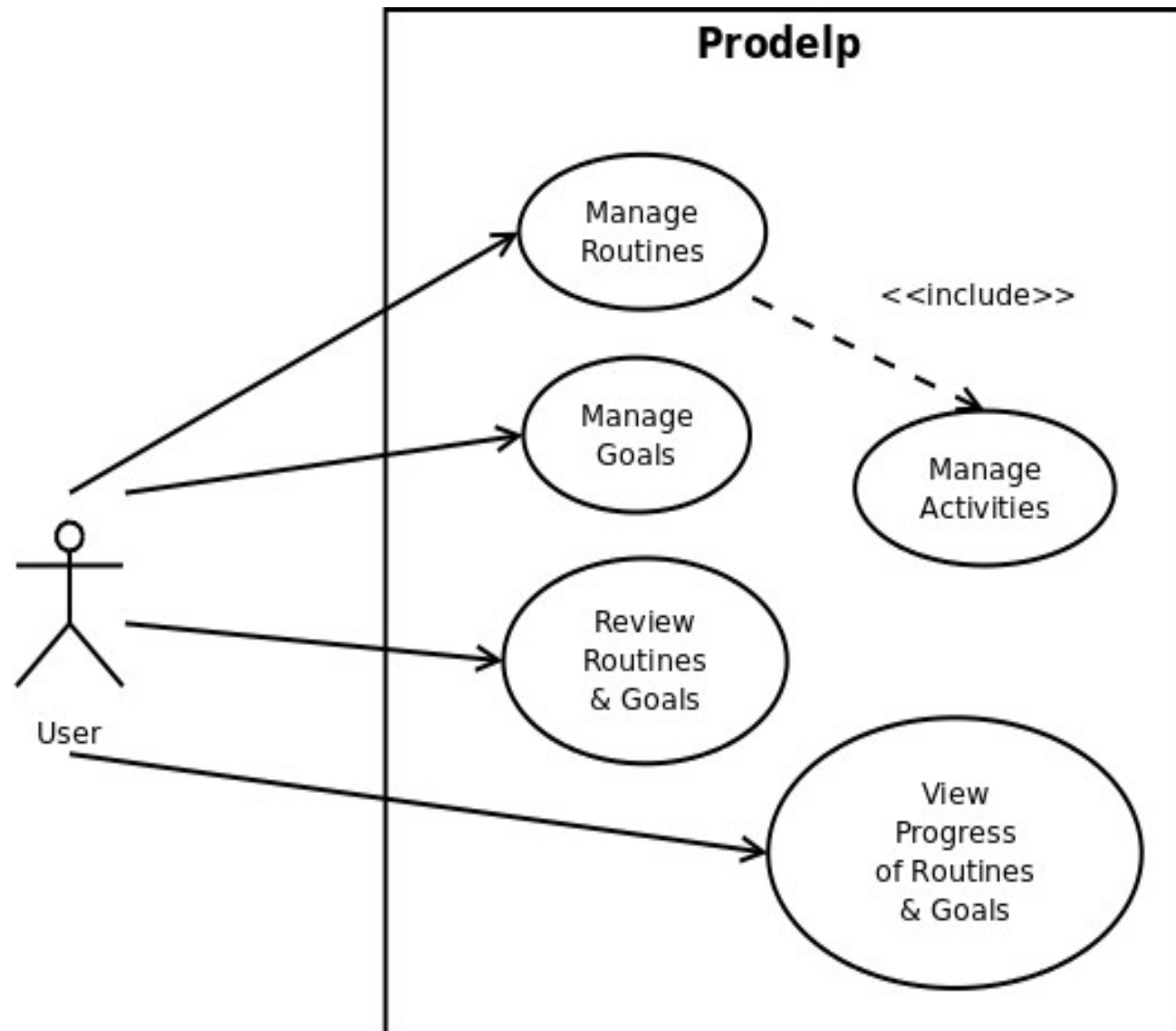
- Better routine
- Effective goal setting
- Day review
- Progress tracking
- Visual information
- Automatic recommendations

Modules

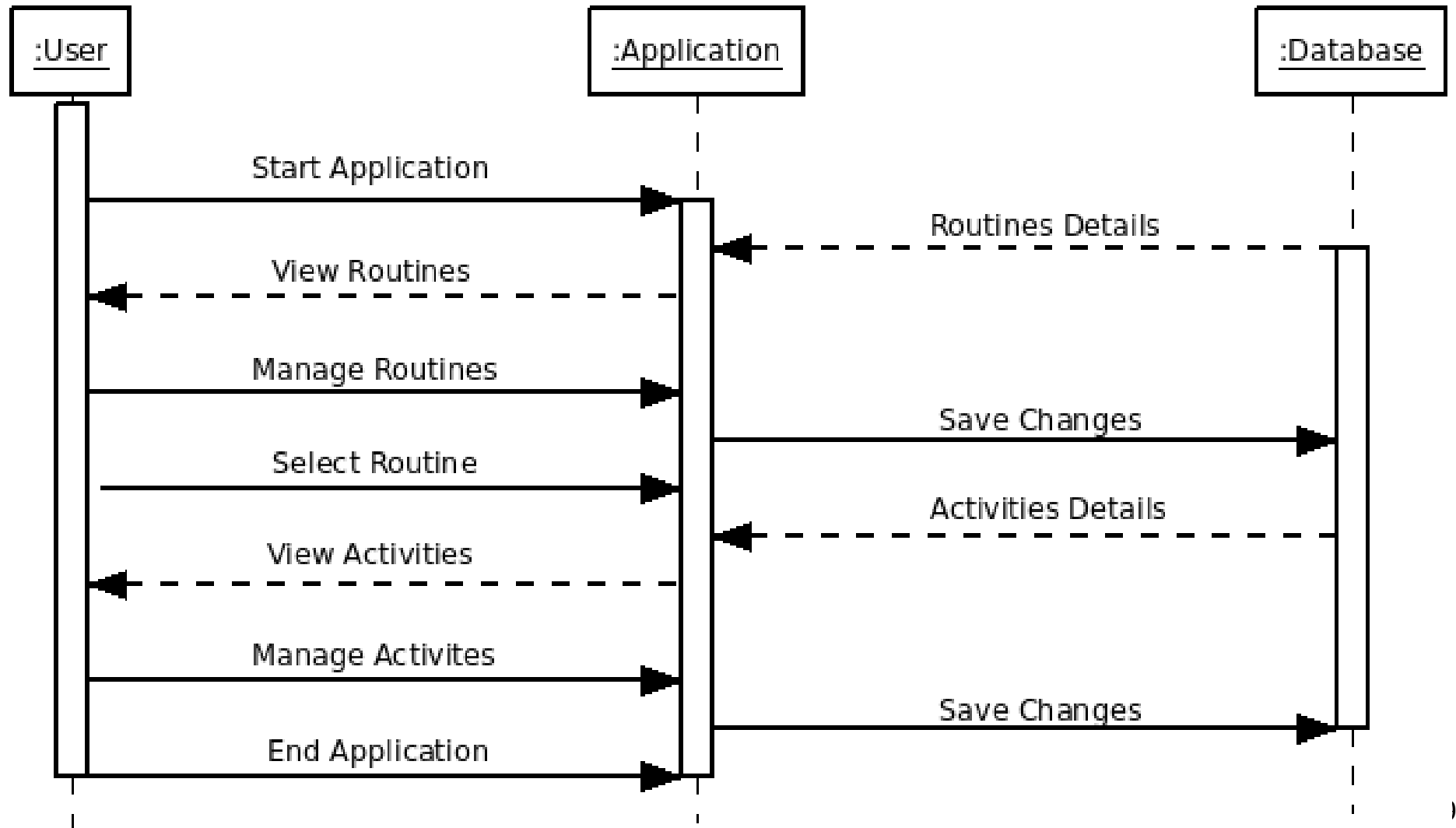
- Routines
- Goals
- Progress
- Review

System Design

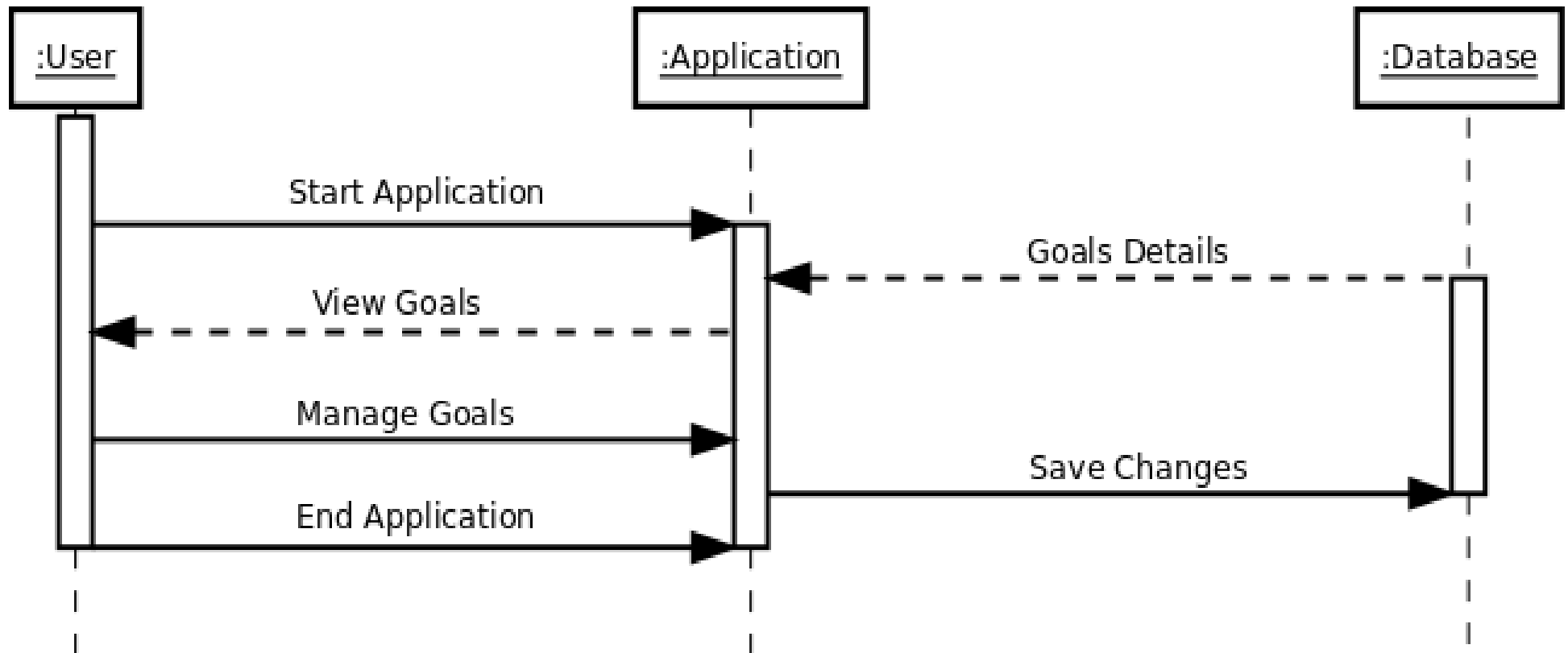
Use case Diagram



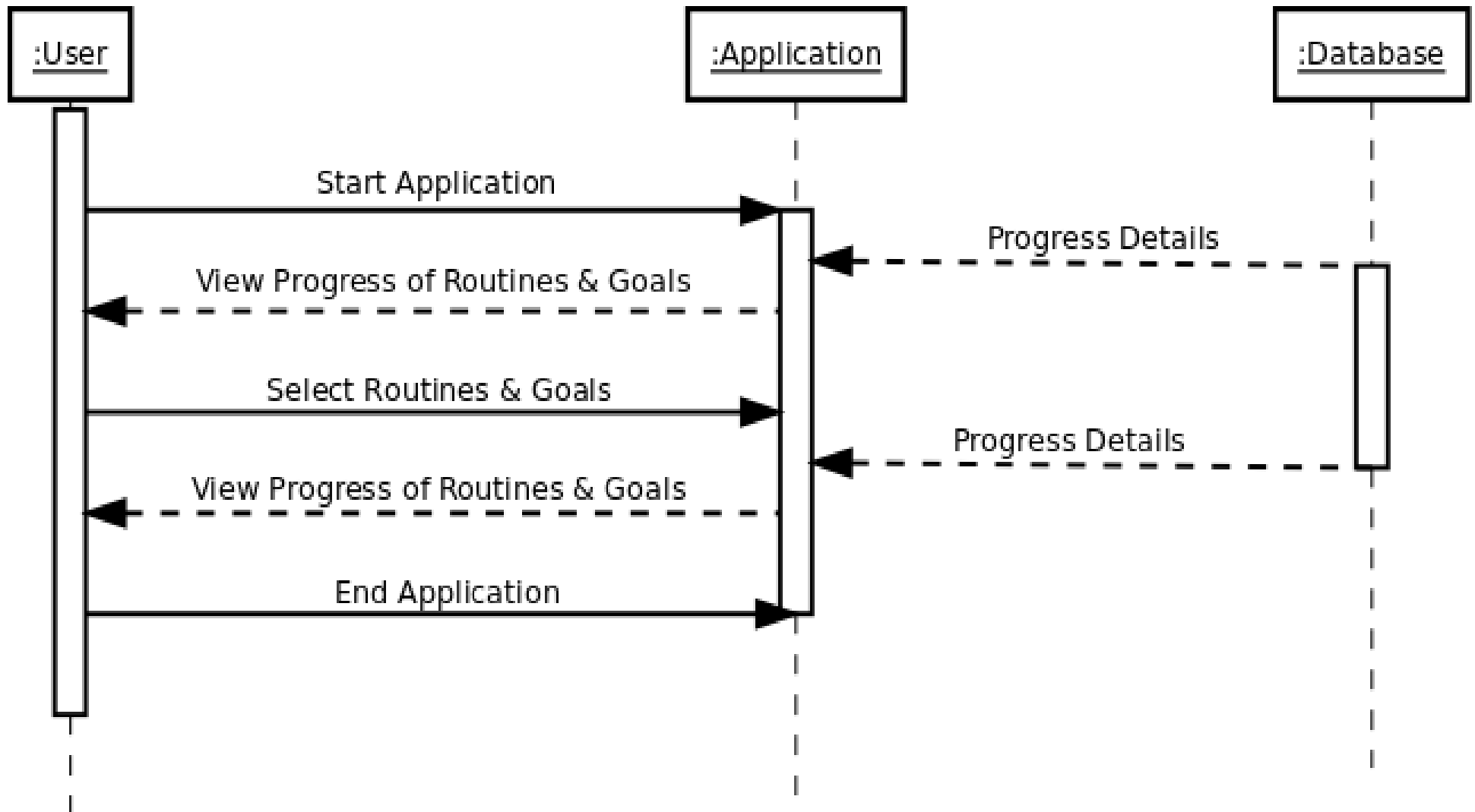
Sequence Diagram for Manage Routines



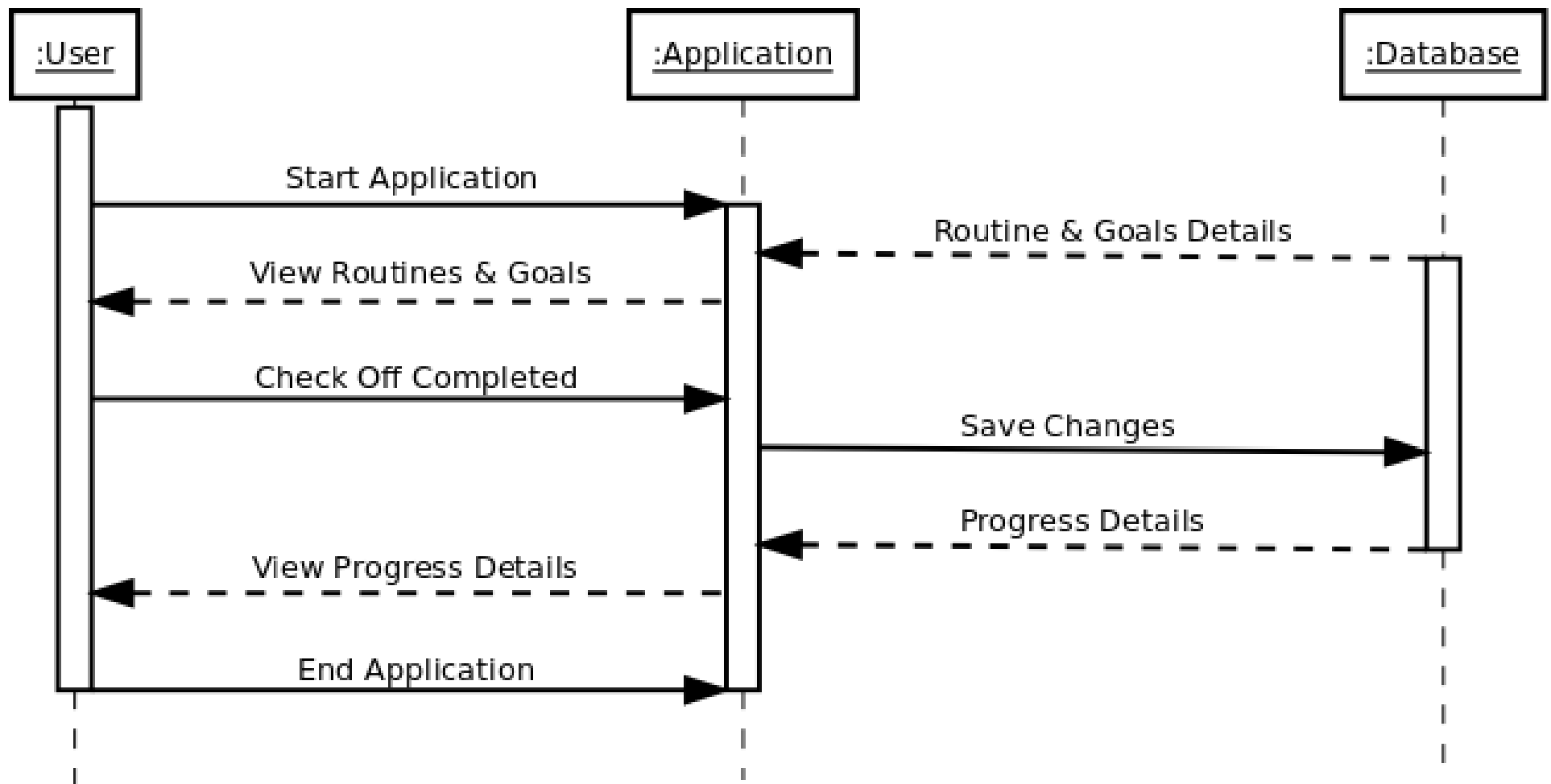
Sequence Diagram for Manage Goals



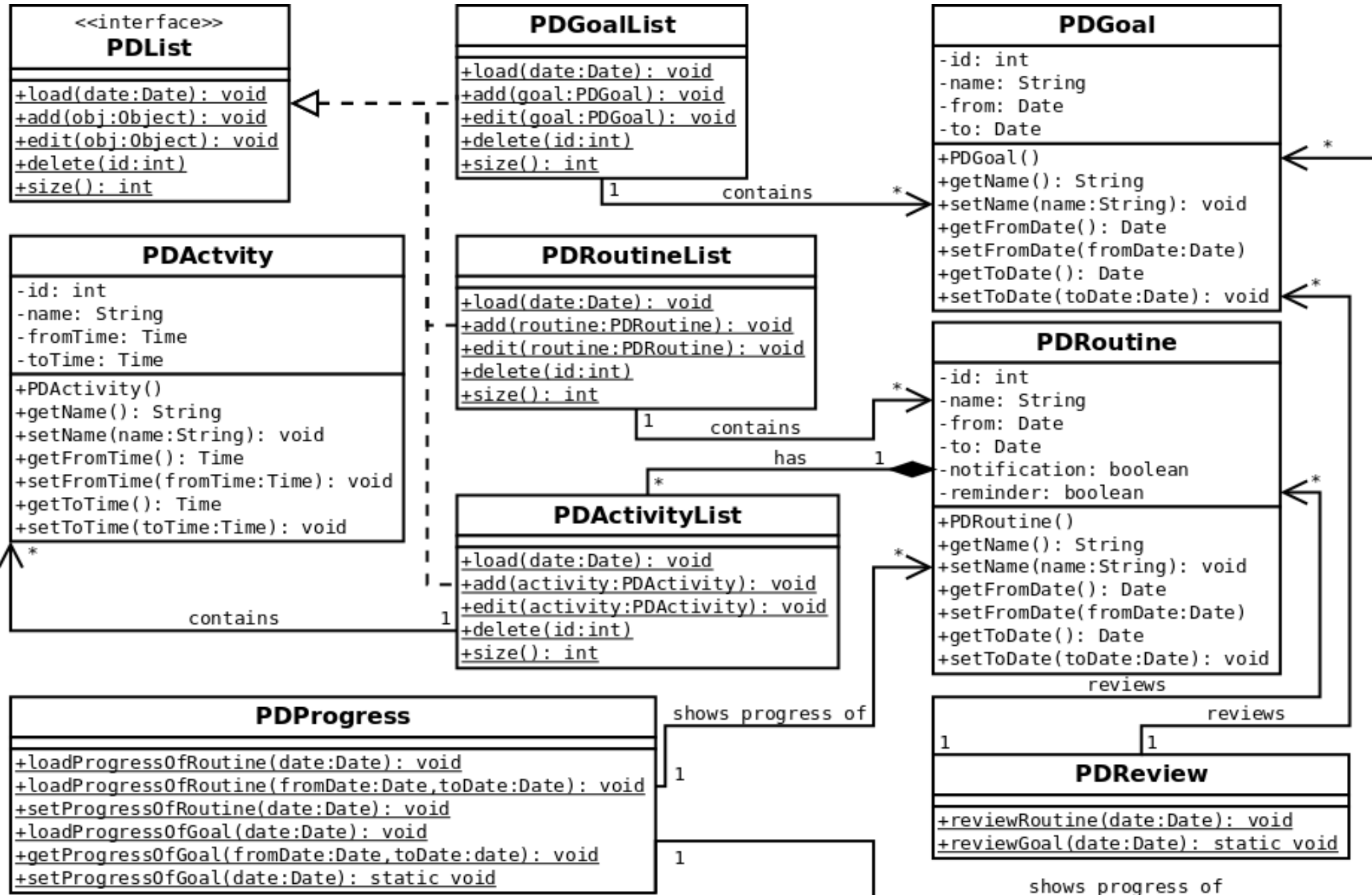
Sequence Diagram for View Progress of Routines & Goals



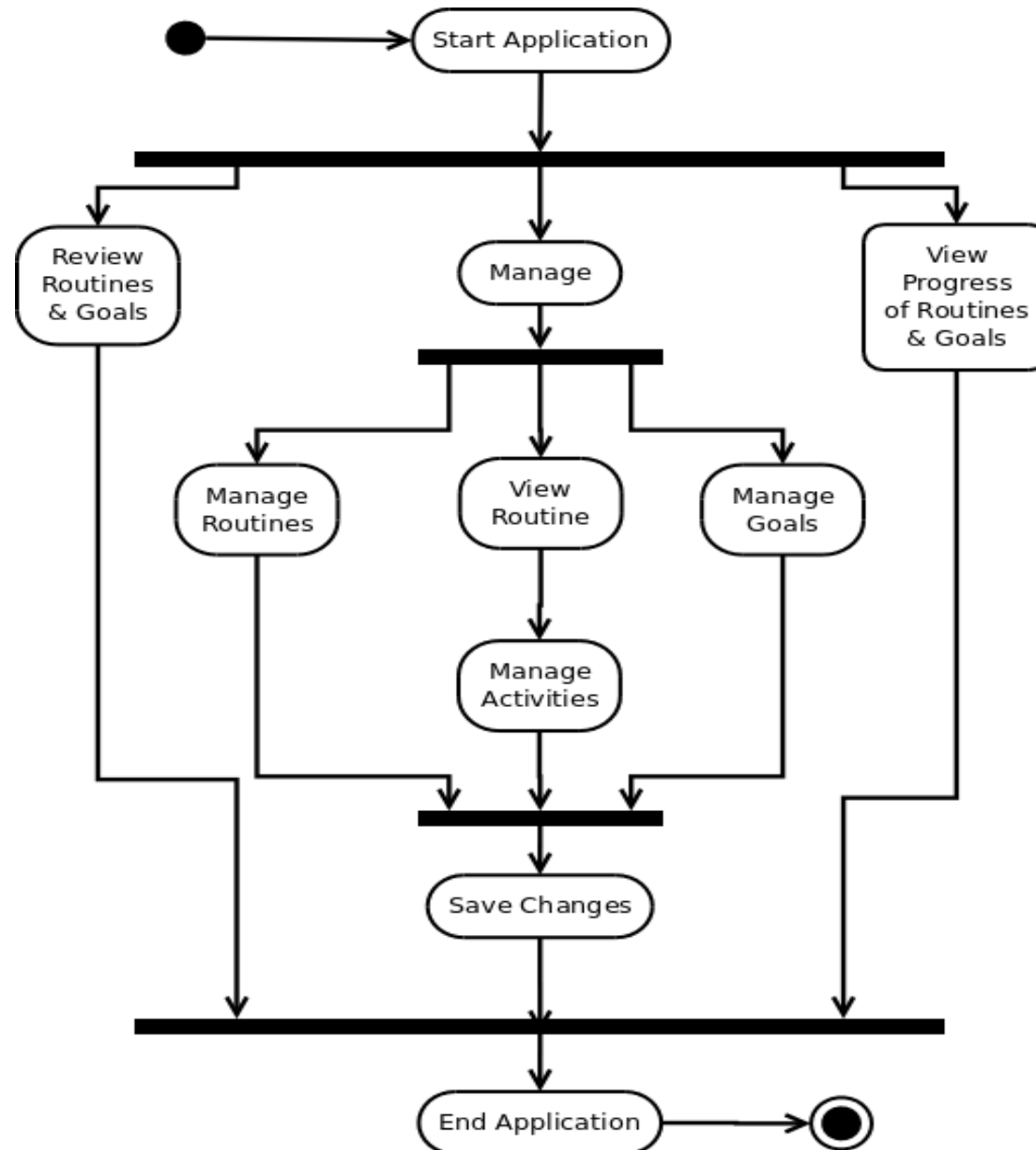
Sequence Diagram for Review Routines & Goals



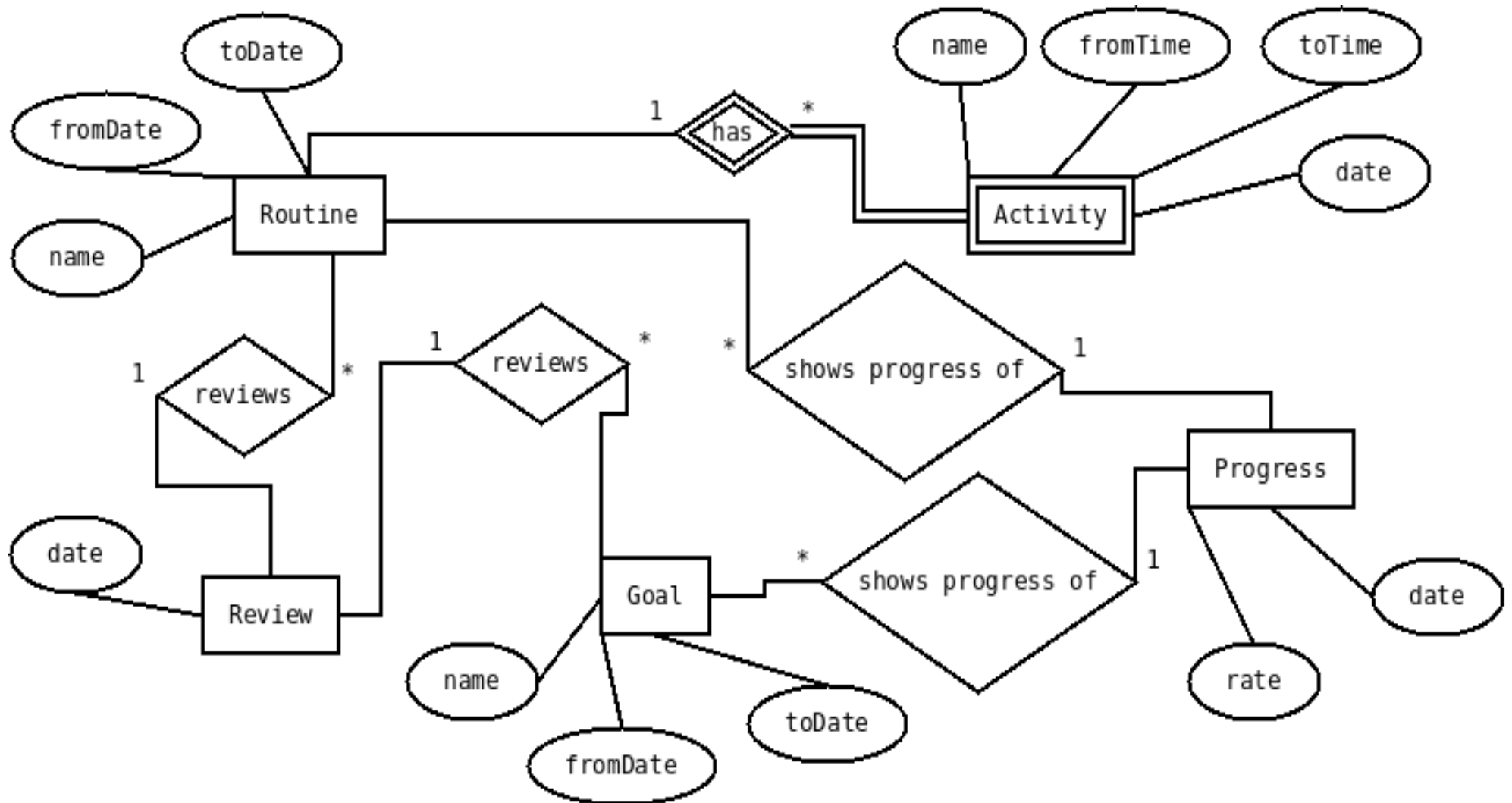
Class Diagram



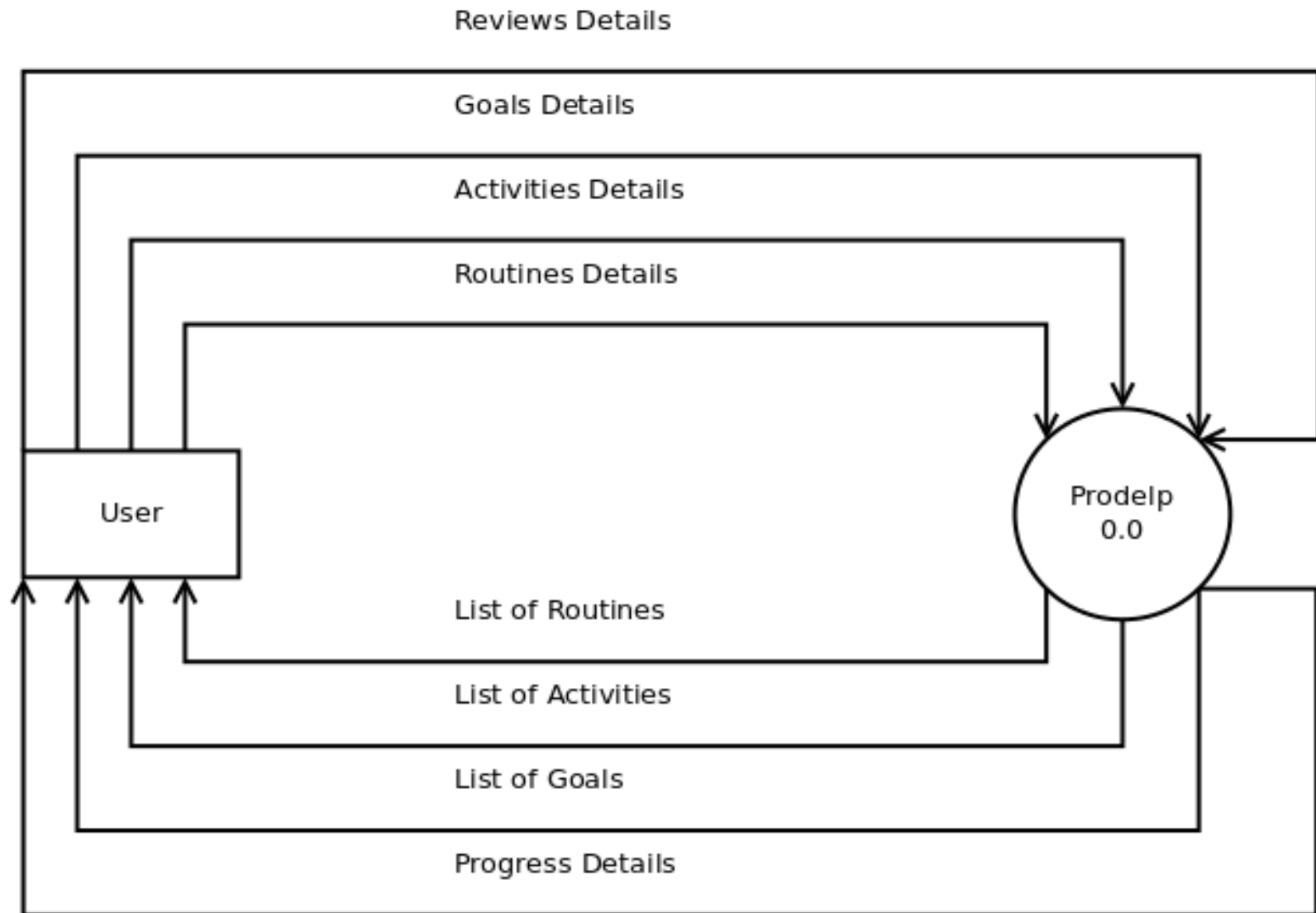
Activity Diagram for Prodehp



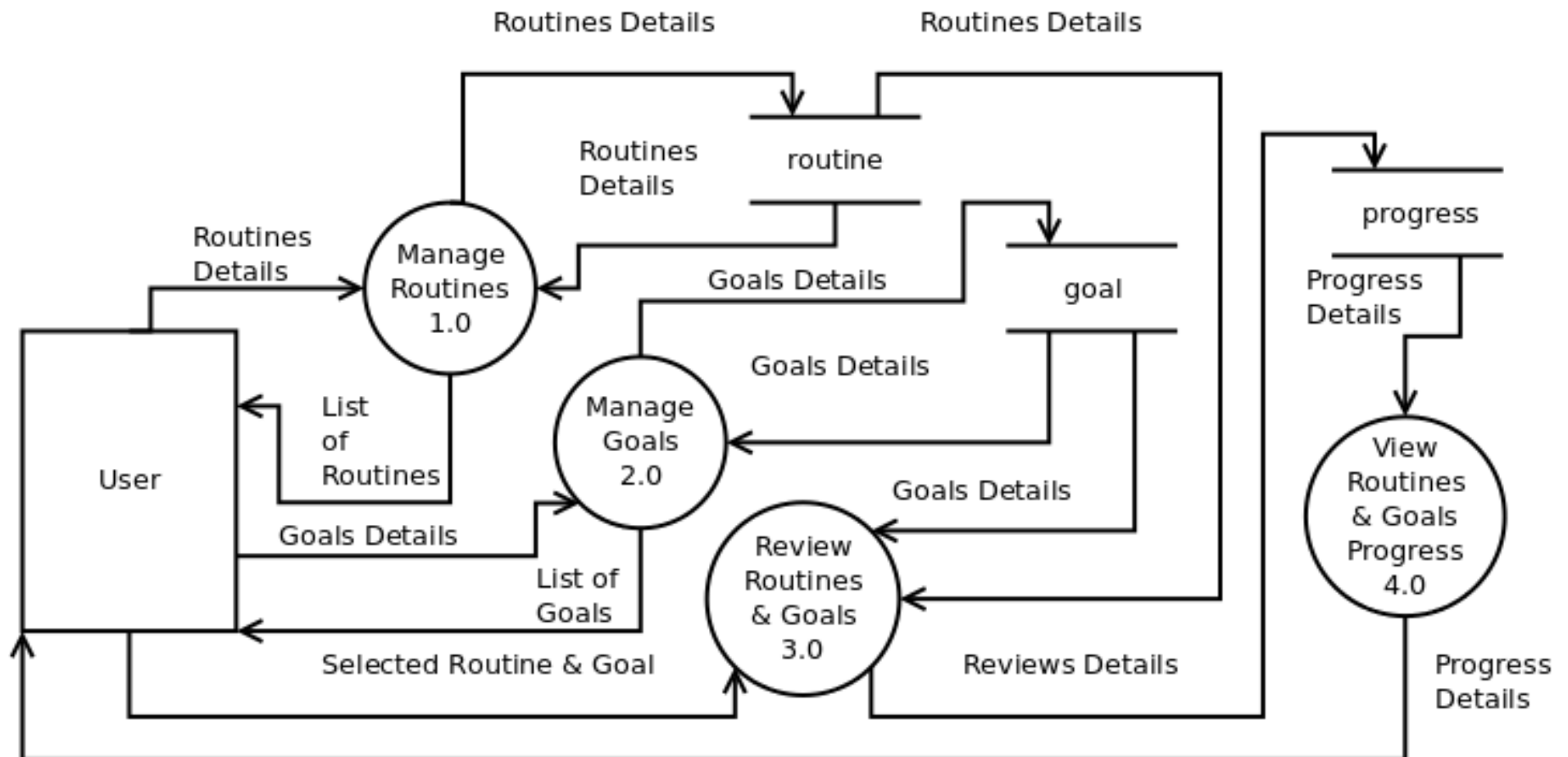
E-R Diagram



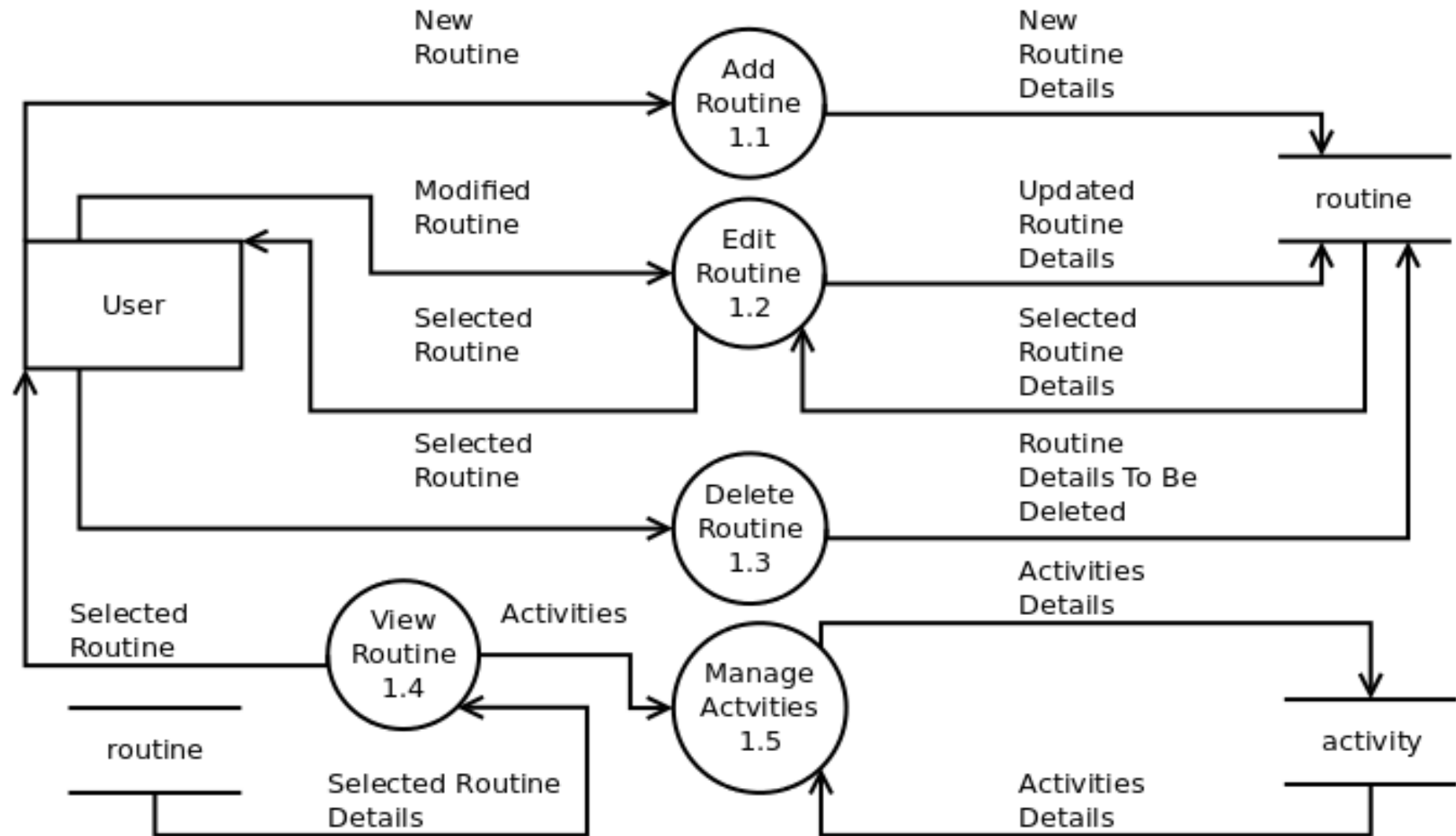
Context Level DFD



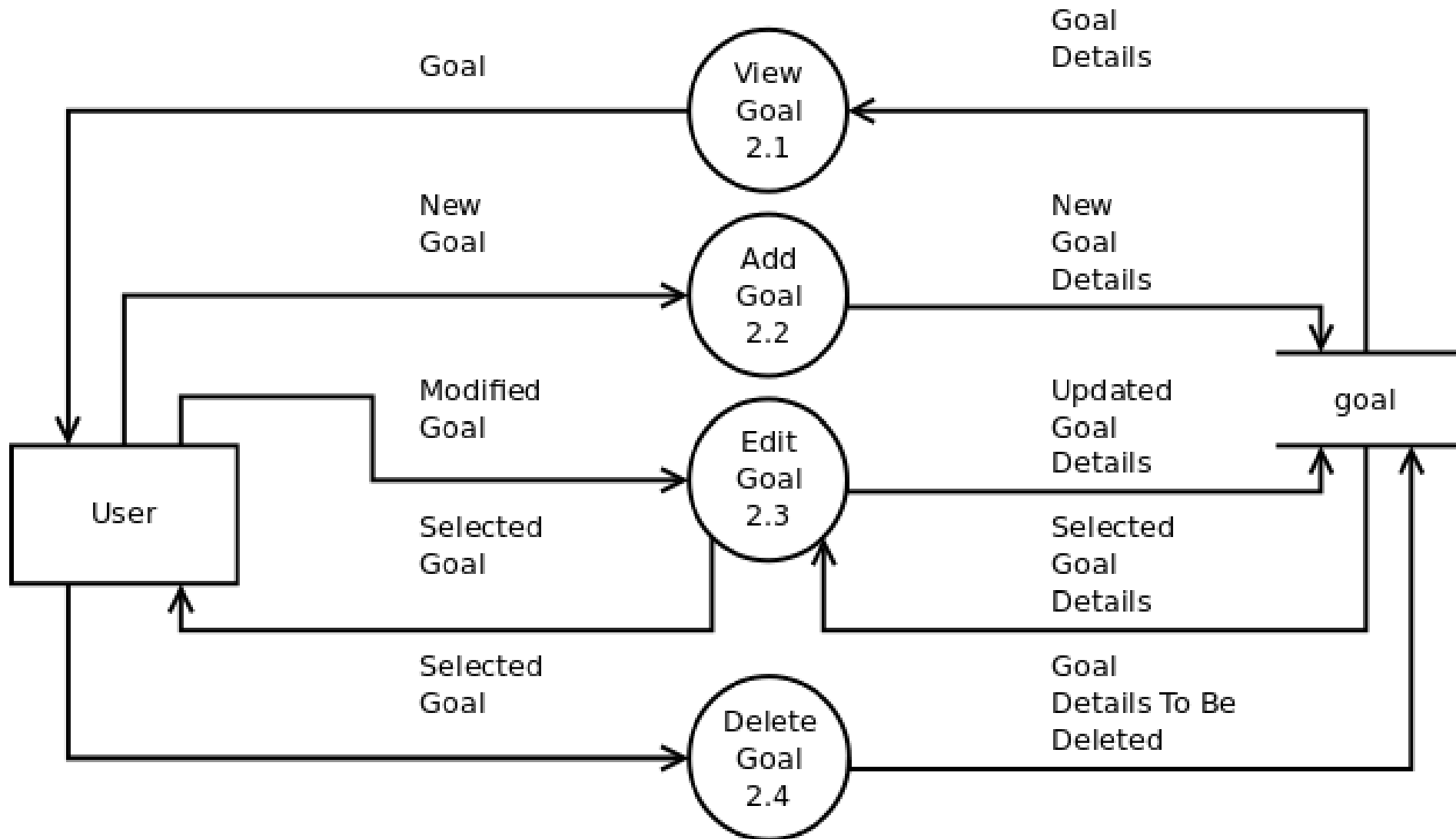
1st Level DFD



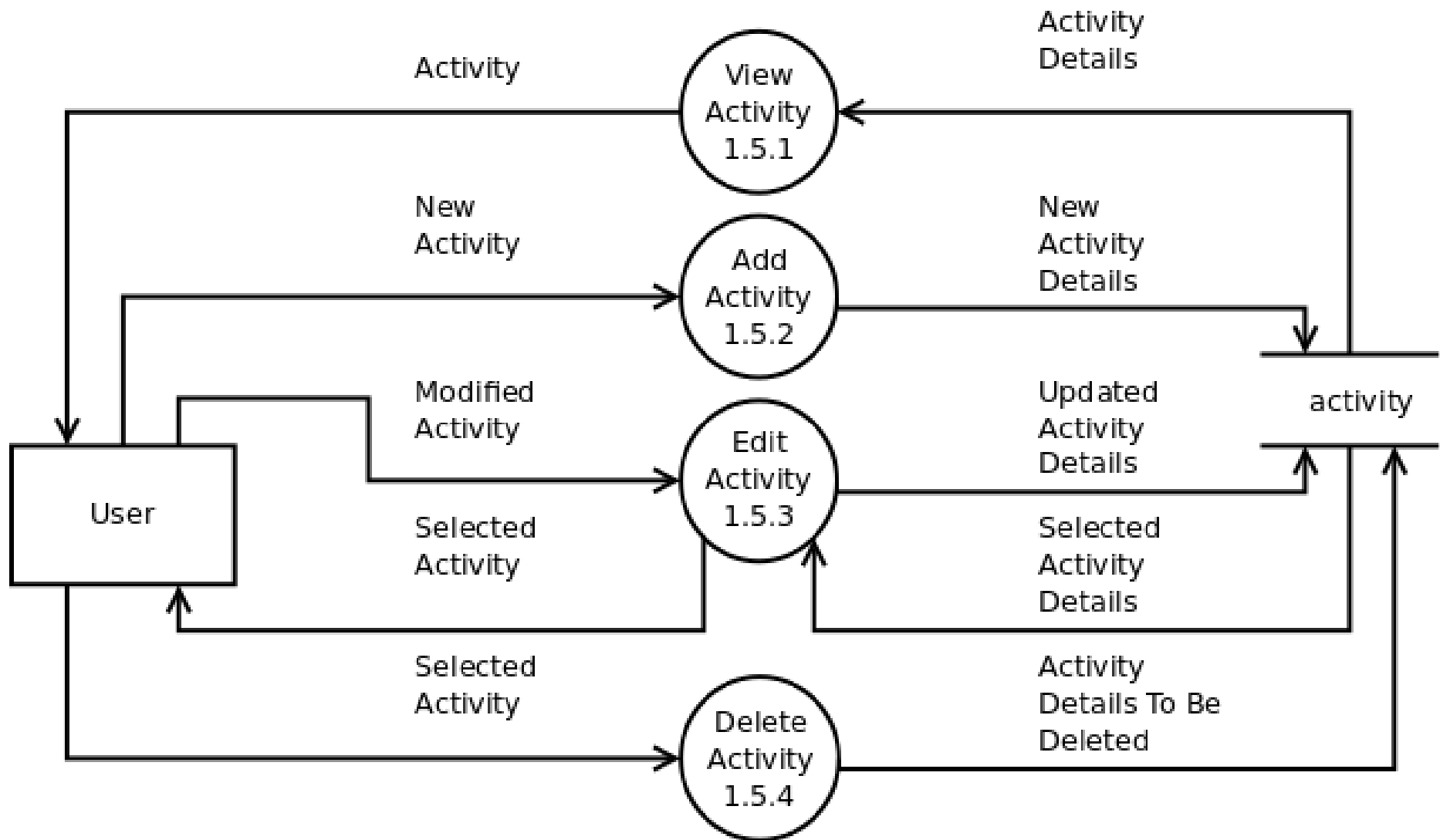
2nd Level DFD of Manage Routines



2nd Level DFD of Manage Goals



3rd Level DFD of Manage Activities



Data Dictionary

Routine Table

Field Name	Data Type	Not Null	Primary Key	Foreign Key	Reference Table	Description
r_id	INTEGER	Y	Y	--	--	Unique ID of Routine
r_name	TEXT	N	N	--	--	Name of Routine
r_fromDate	TEXT	N	N	--	--	Routine Start Date
r_toDate	TEXT	N	N	--	--	Routine End Date

Activity Table

Field Name	Data Type	Not Null	Primary Key	Foreign Key	Reference Table	Description
a_id	INTEGER	Y	Y	--	--	Unique ID of Activity
a_name	TEXT	N	N	--	--	Name of Activity
a_fromTime	TEXT	N	N	--	--	Activity Start Time
a_toTime	TEXT	N	N	--	--	Activity End Time
r_id	INTEGER	Y	N	Y	routine	Routine ID from Routine Table

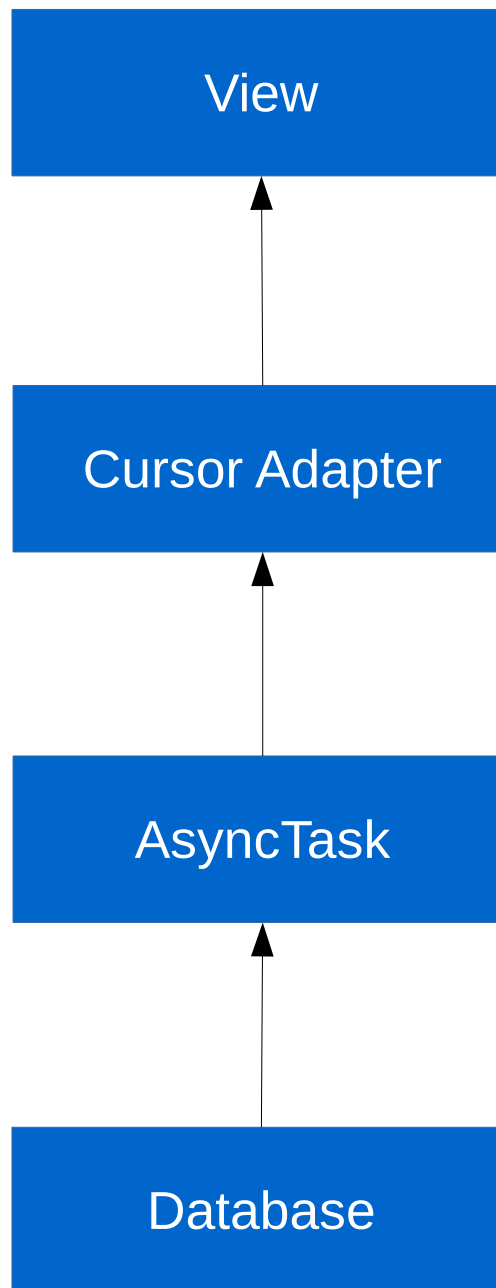
Goal Table

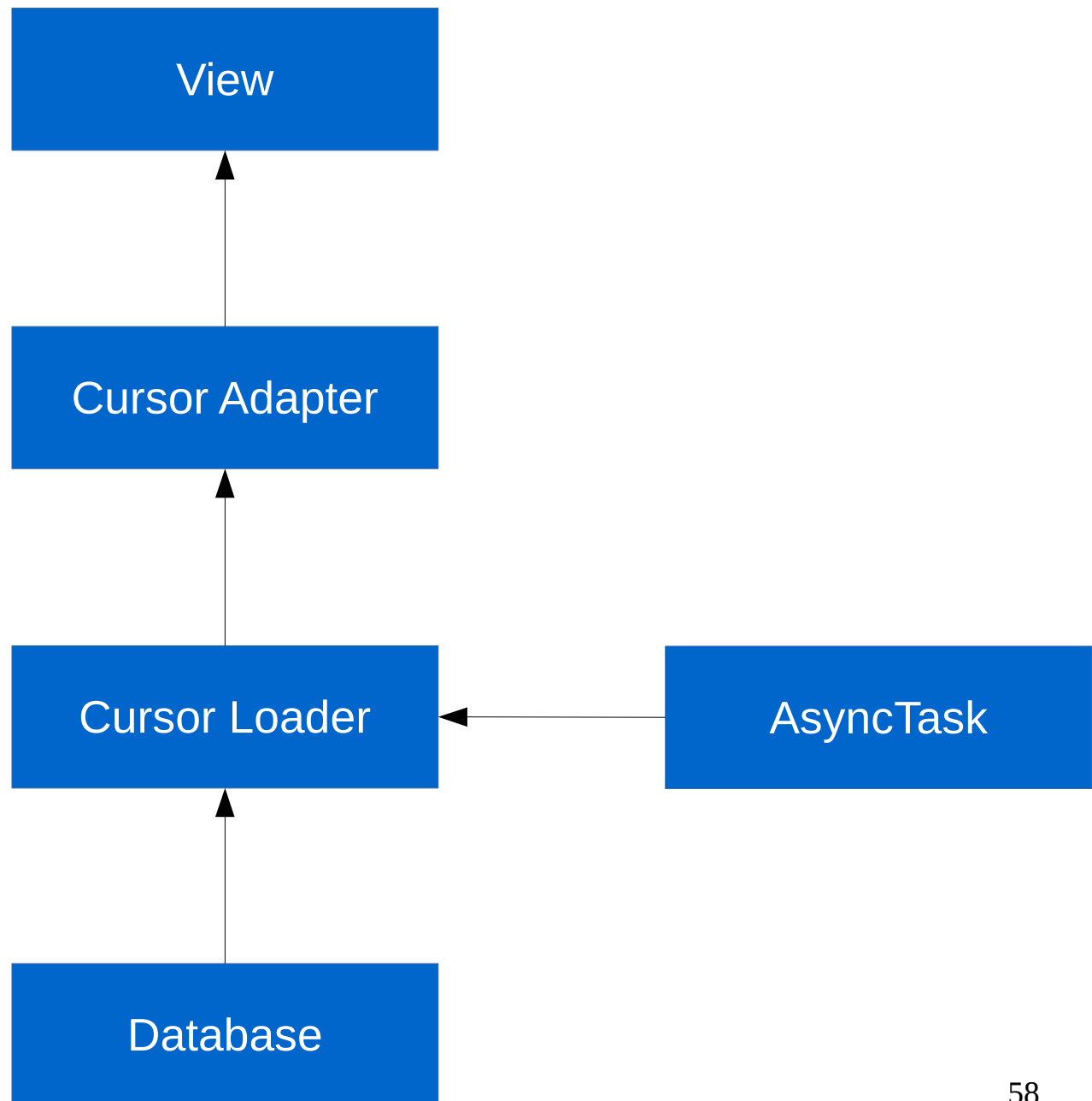
Field Name	Data Type	Not Null	Primary Key	Foreign Key	Reference Table	Description
g_id	INTEGER	Y	Y	--	--	Unique ID of Goal
g_name	TEXT	N	N	--	--	Name of Goal
g_fromDate	TEXT	N	N	--	--	Goal Start Date
g_toDate	TEXT	N	N	--	--	Goal End Date

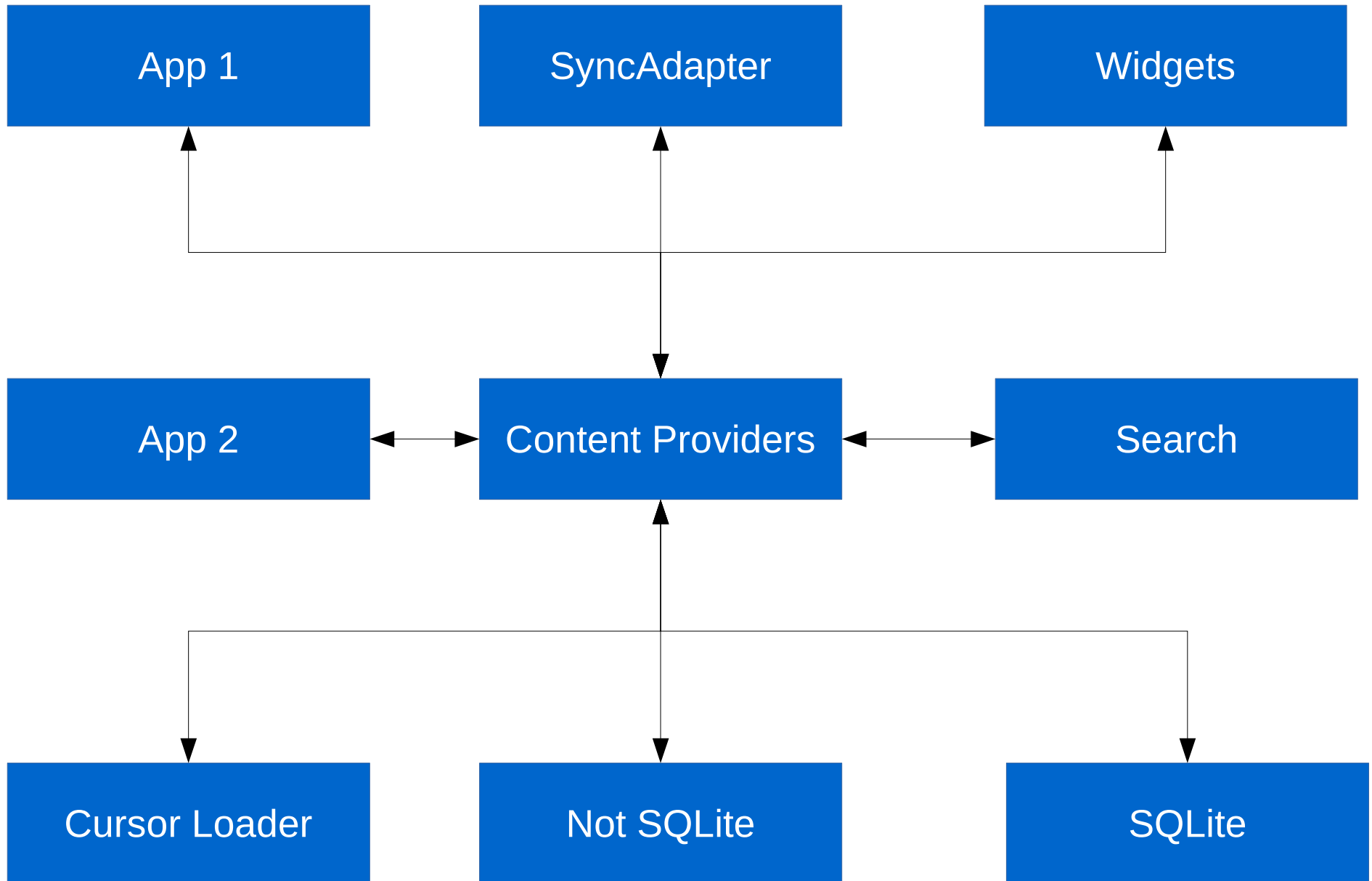
Progress Table

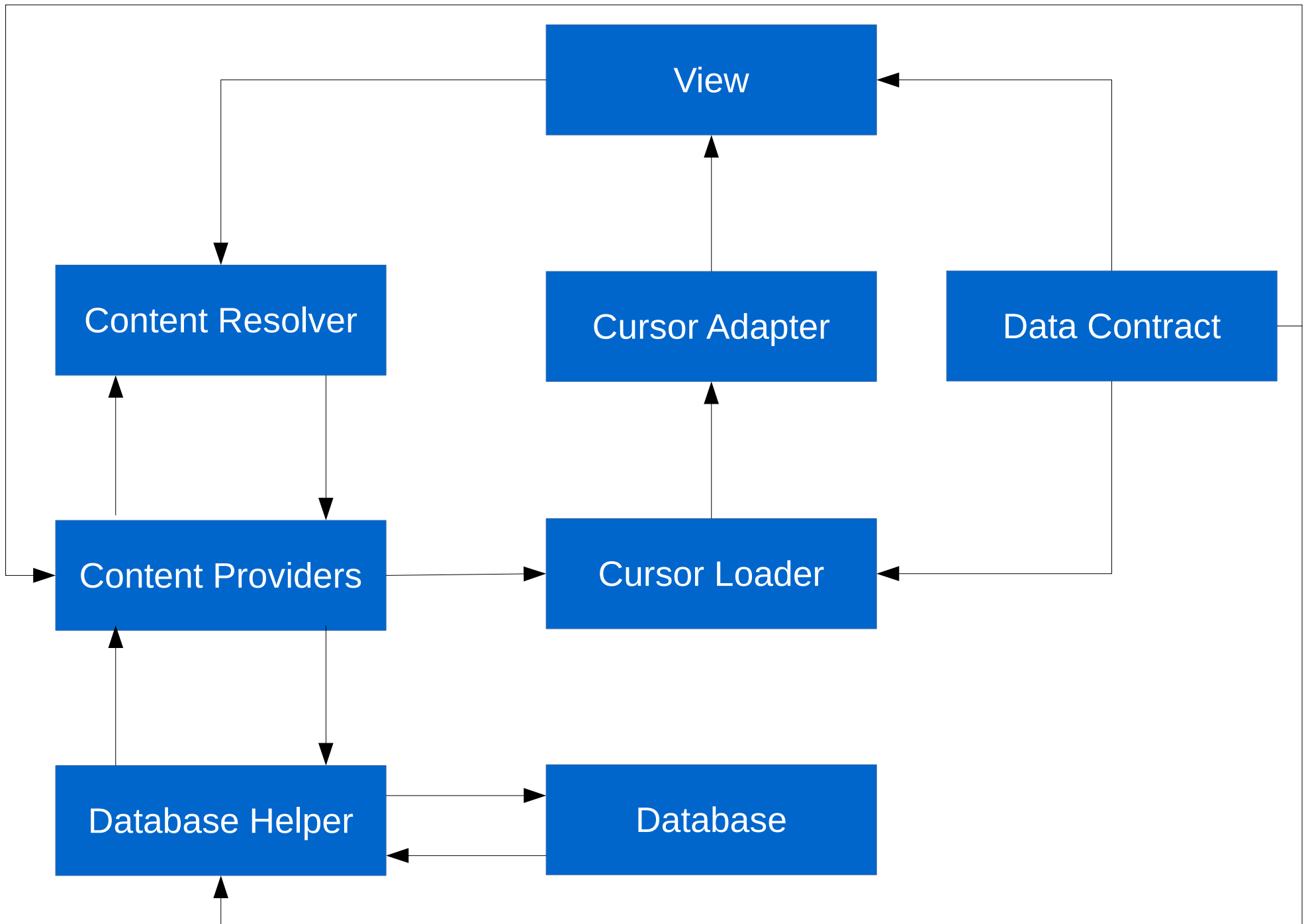
Field Name	Data Type	Not Null	Primary Key	Foreign Key	Reference Table	Description
p_id	INTEGER	Y	Y	--	--	Unique ID of Progress
p_date	TEXT	N	N	--	--	Date of Review
p_rate	TEXT	N	N	--	--	Calculated Progress Percentage

Database Implementation

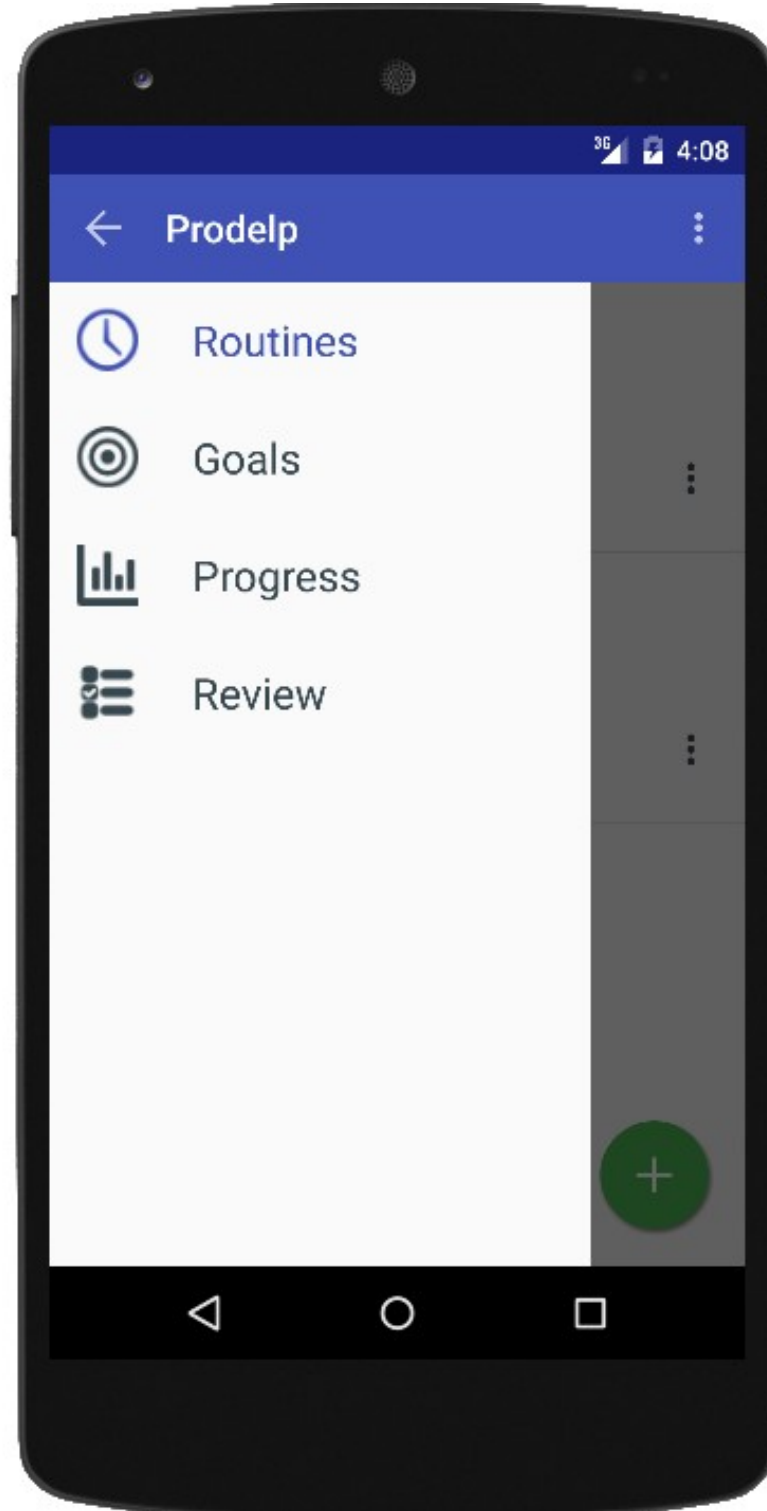




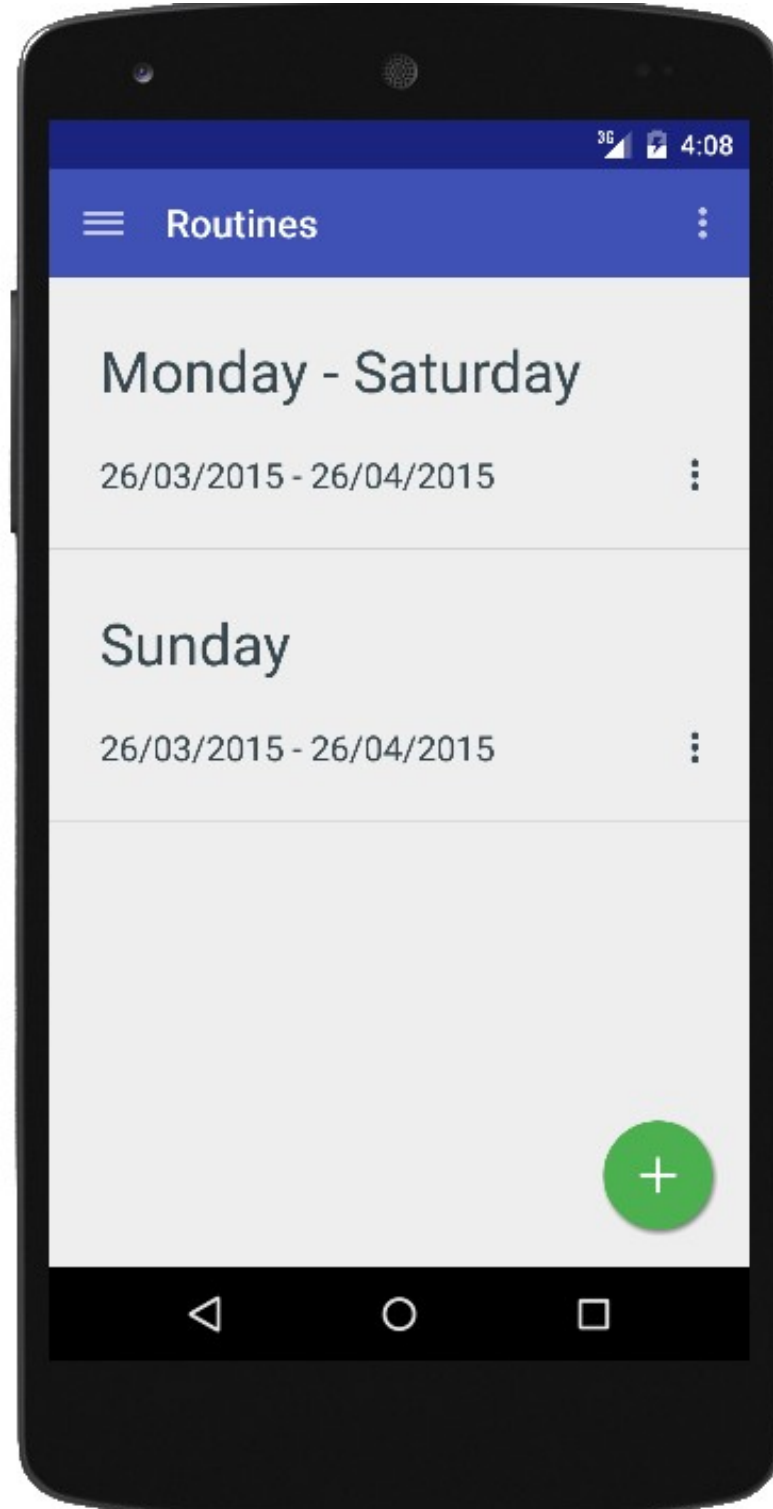




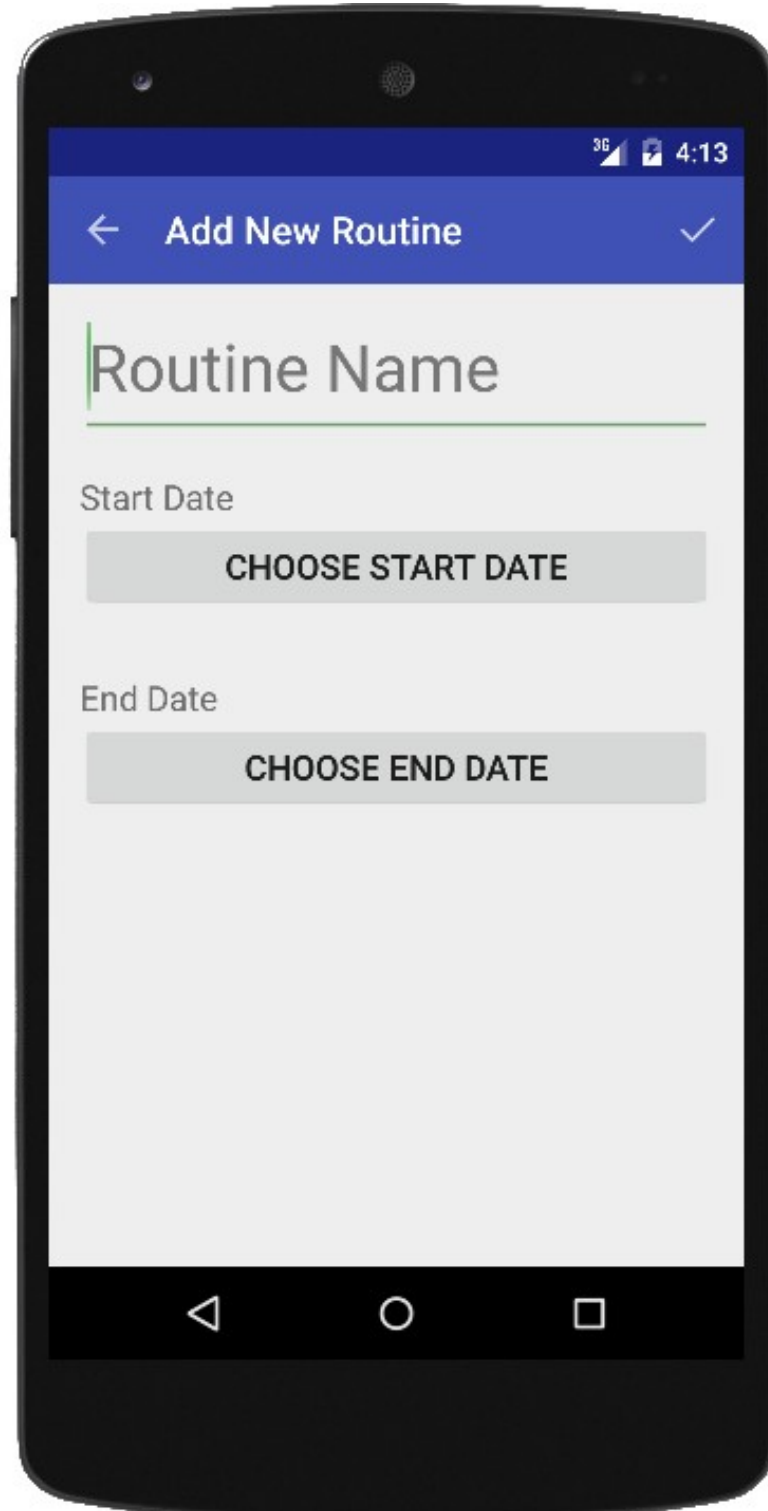
User Interface Design

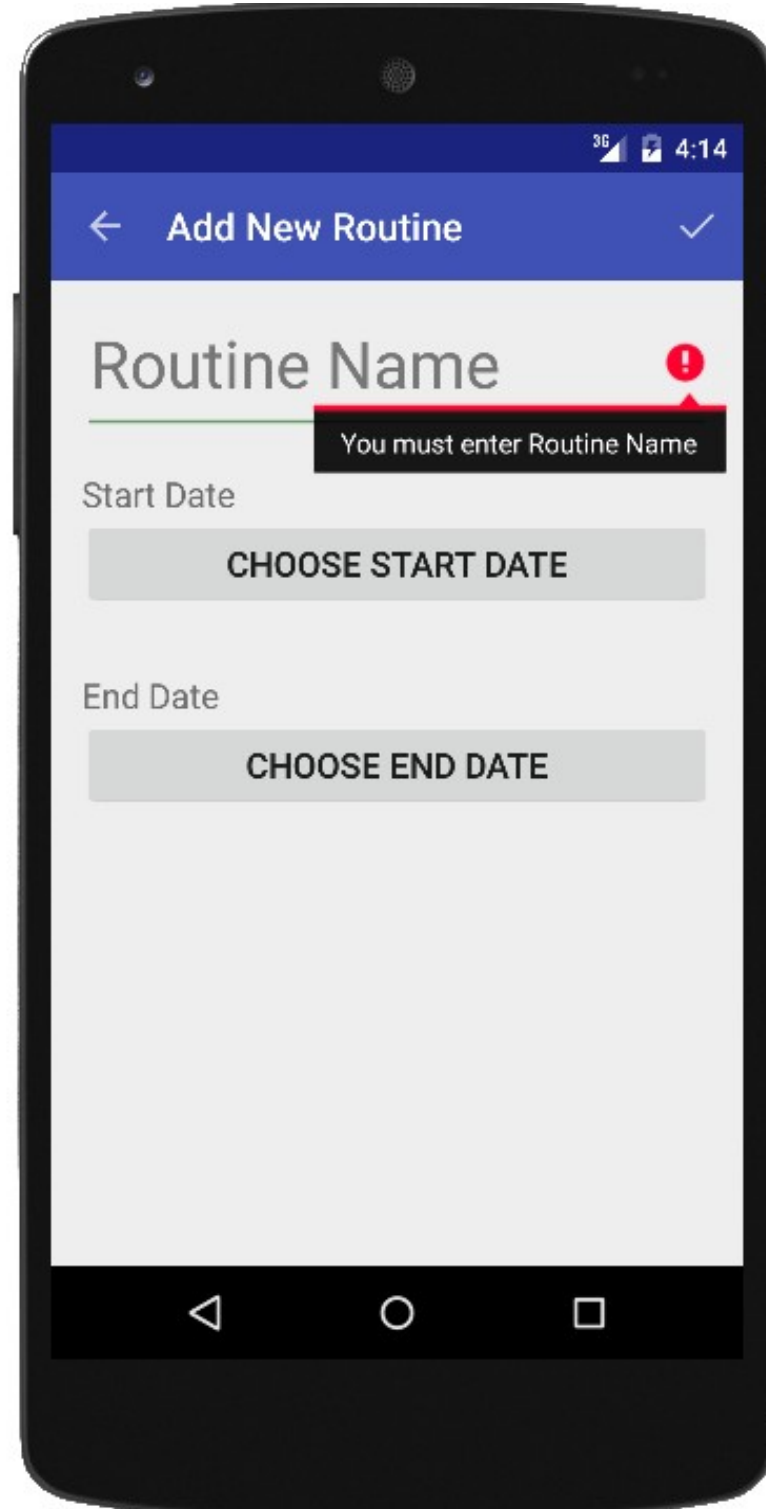


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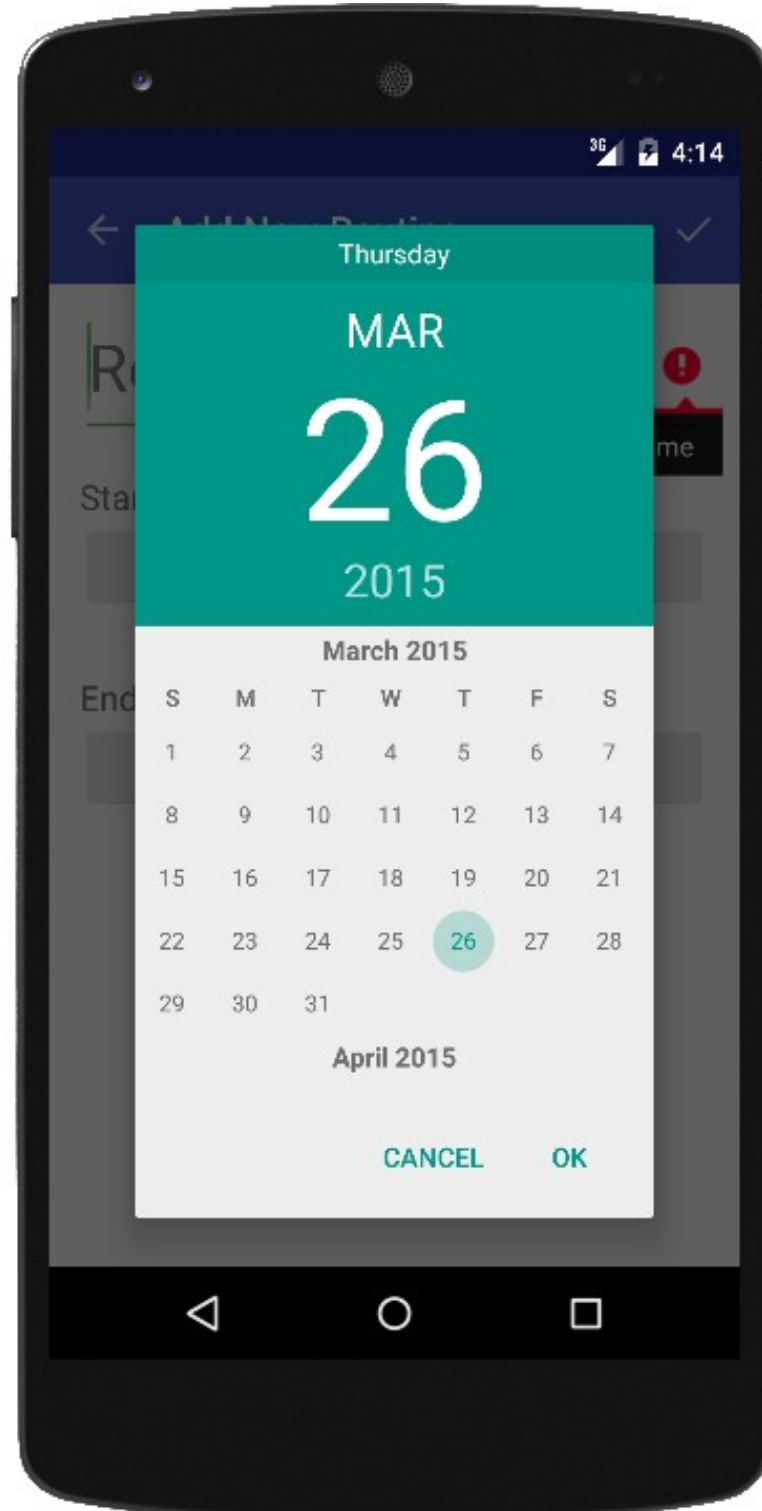


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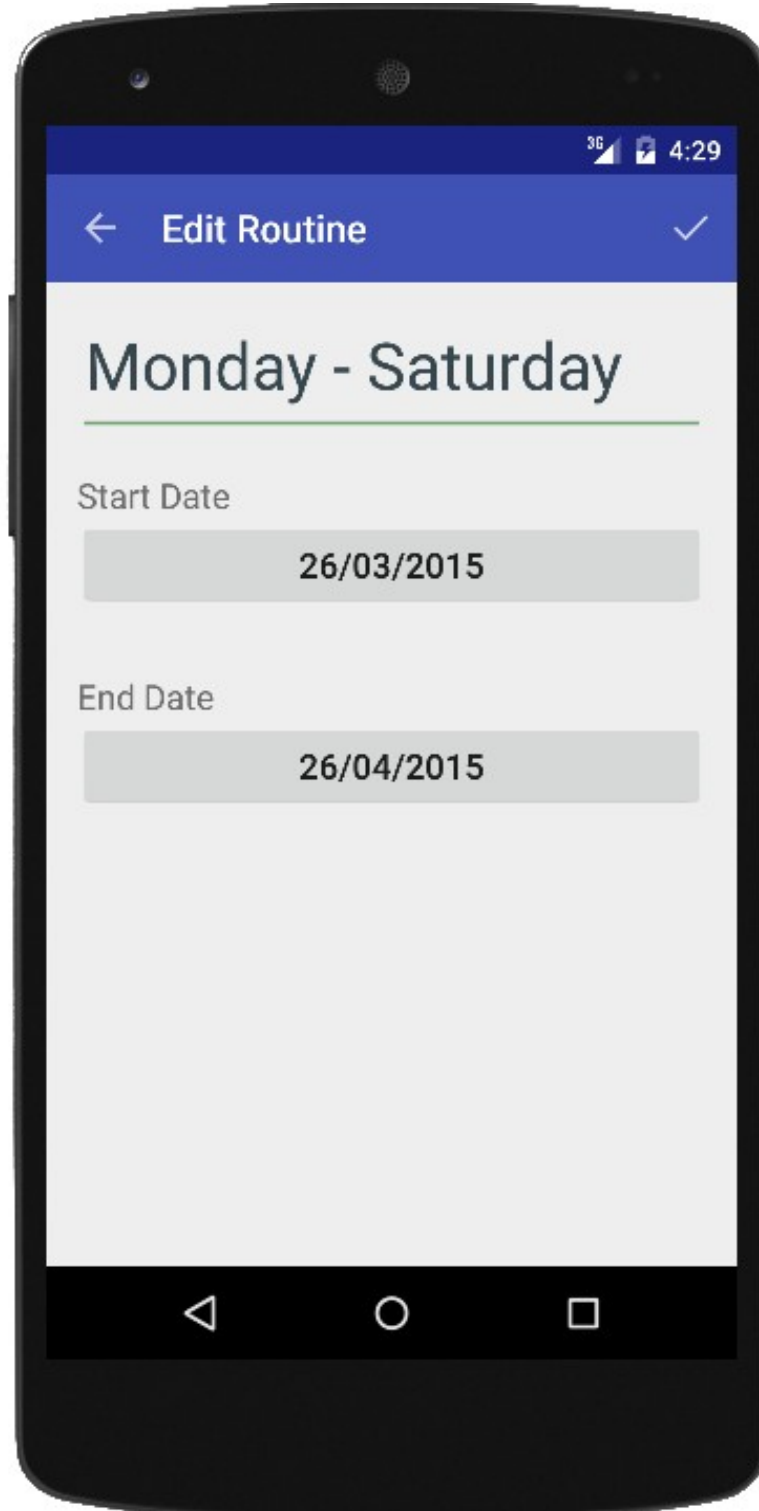




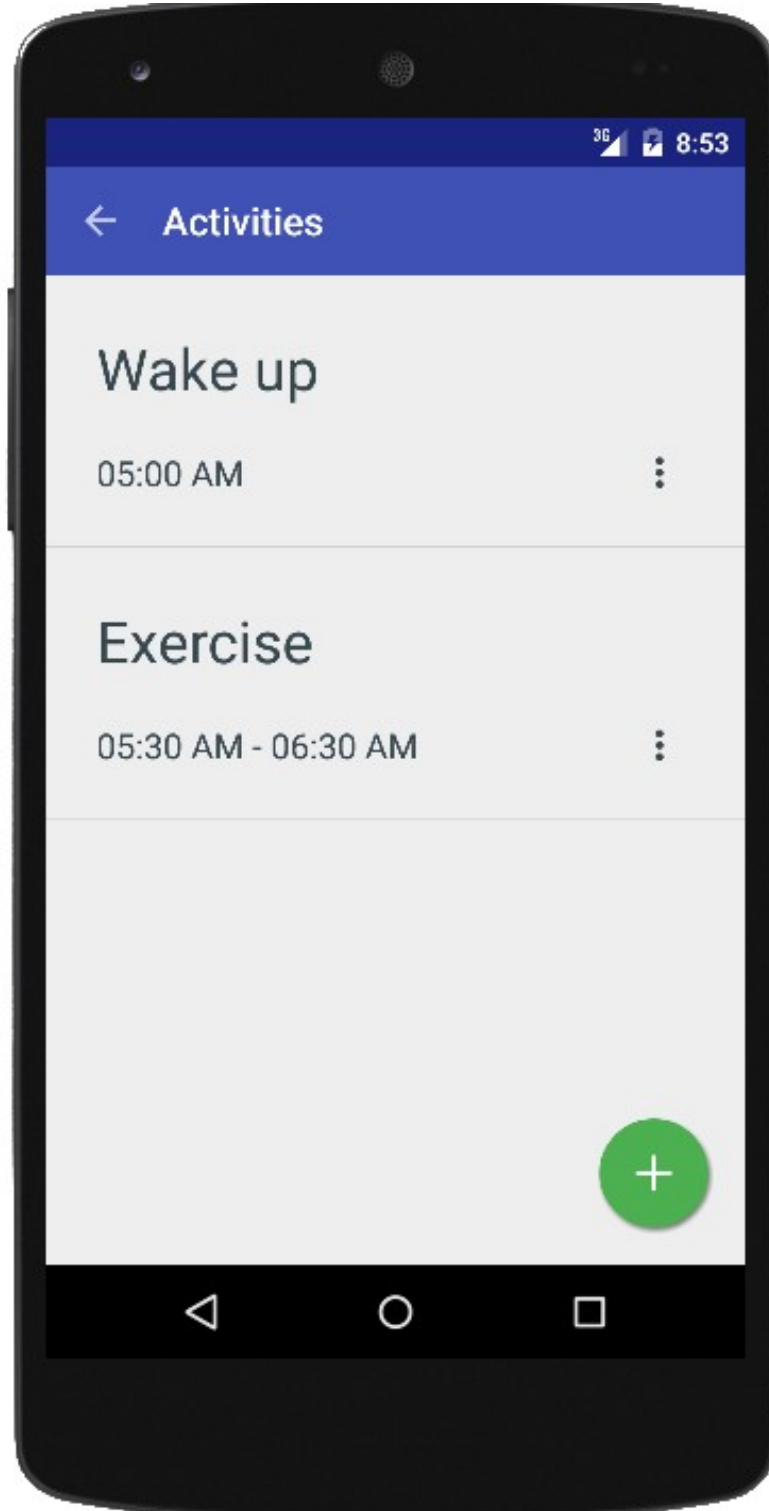
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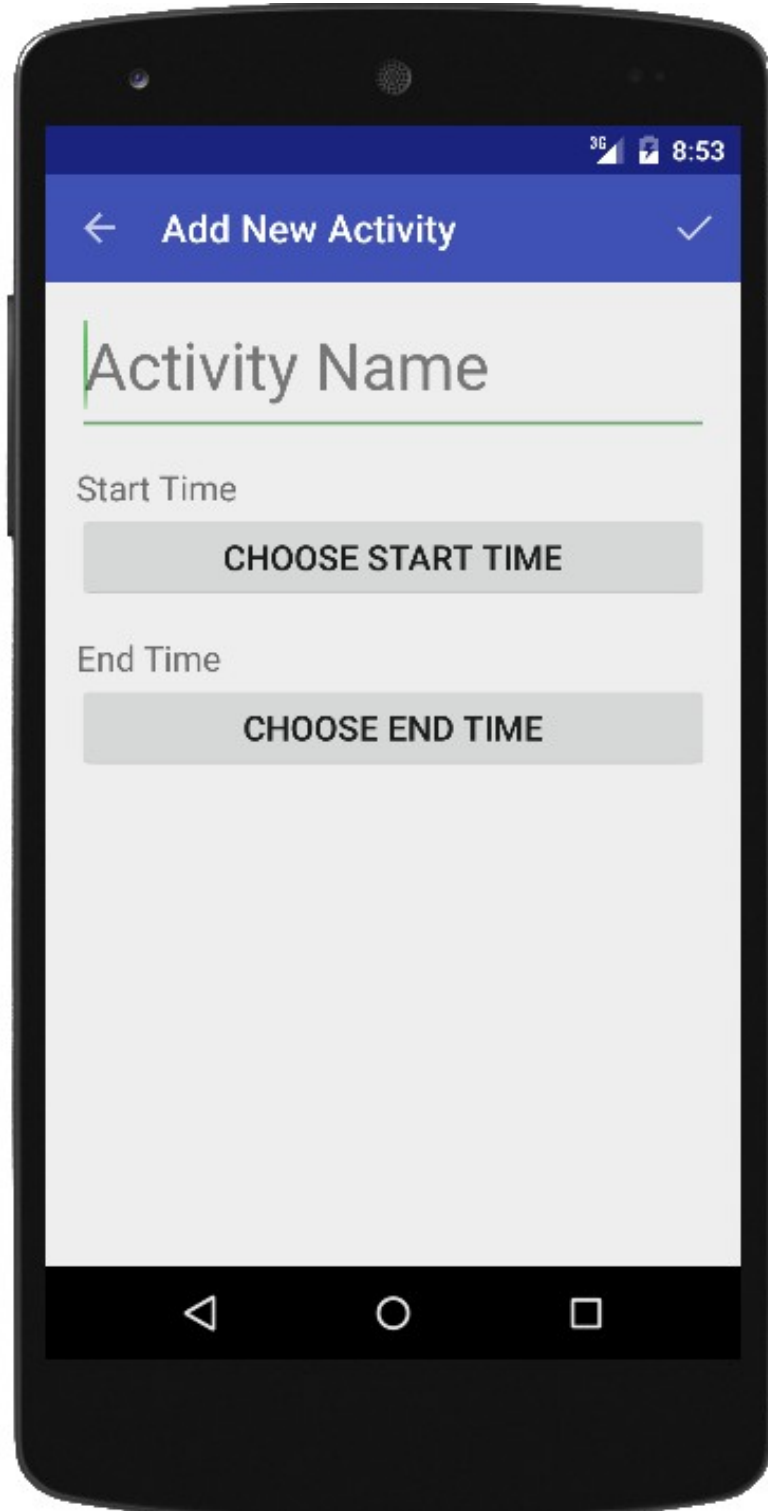


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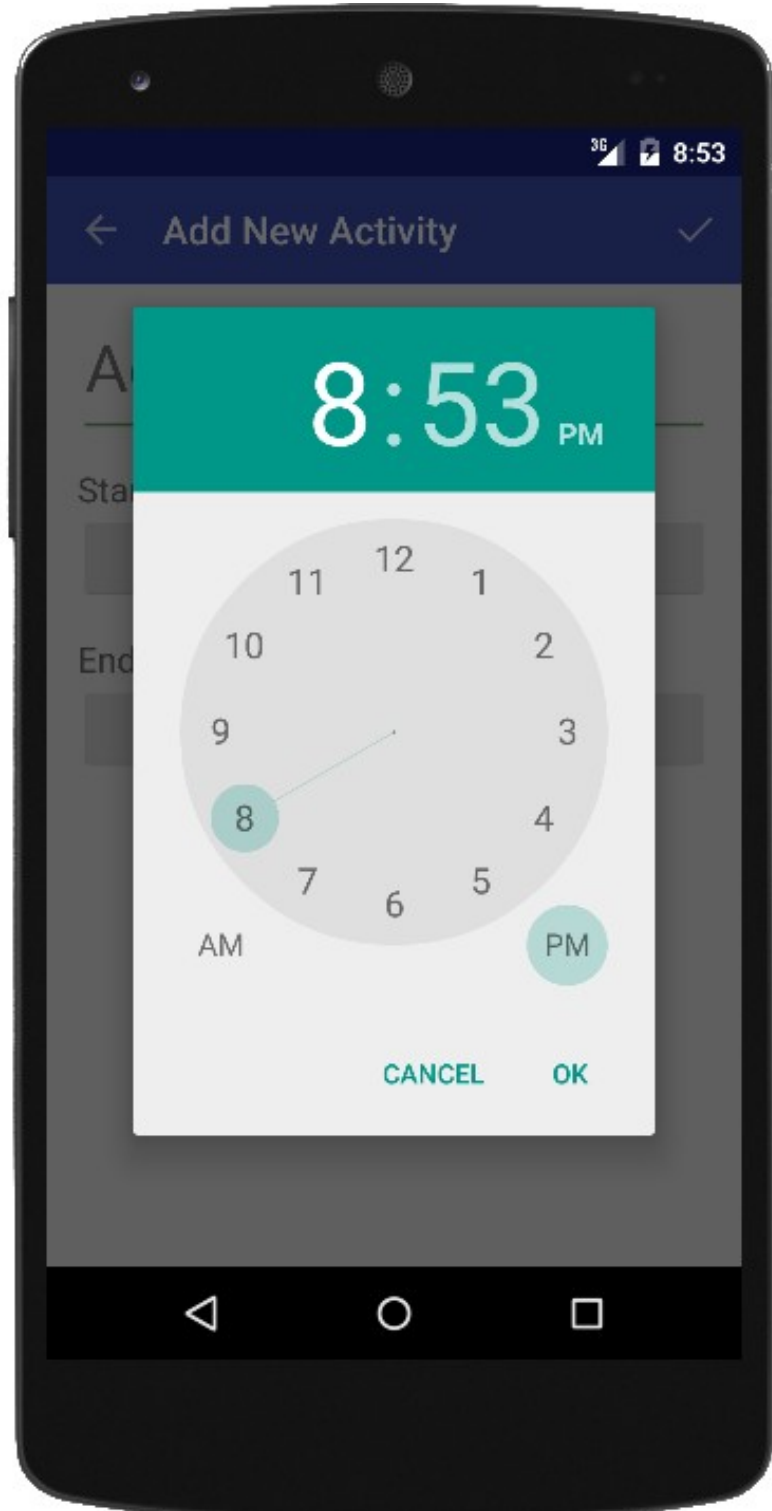


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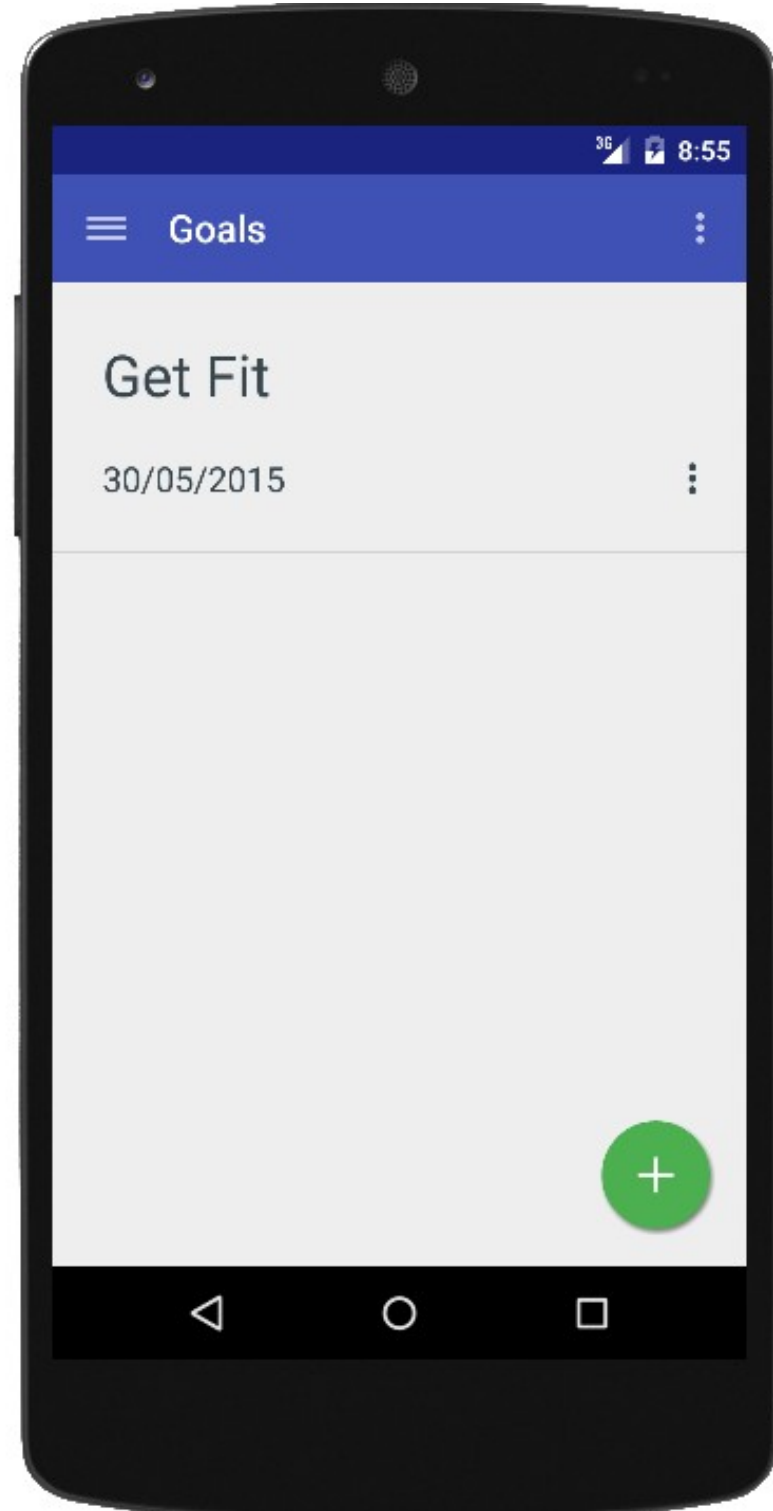




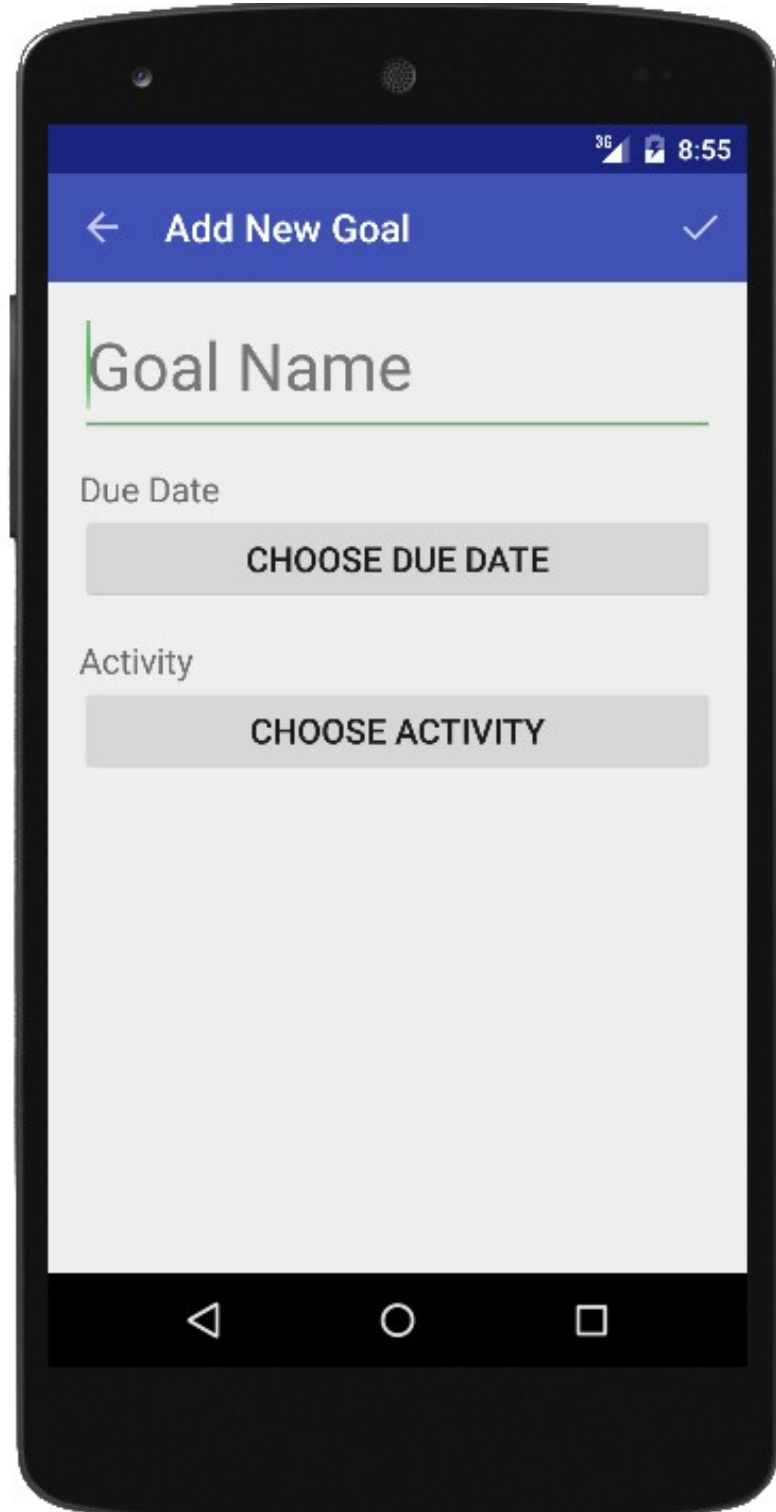
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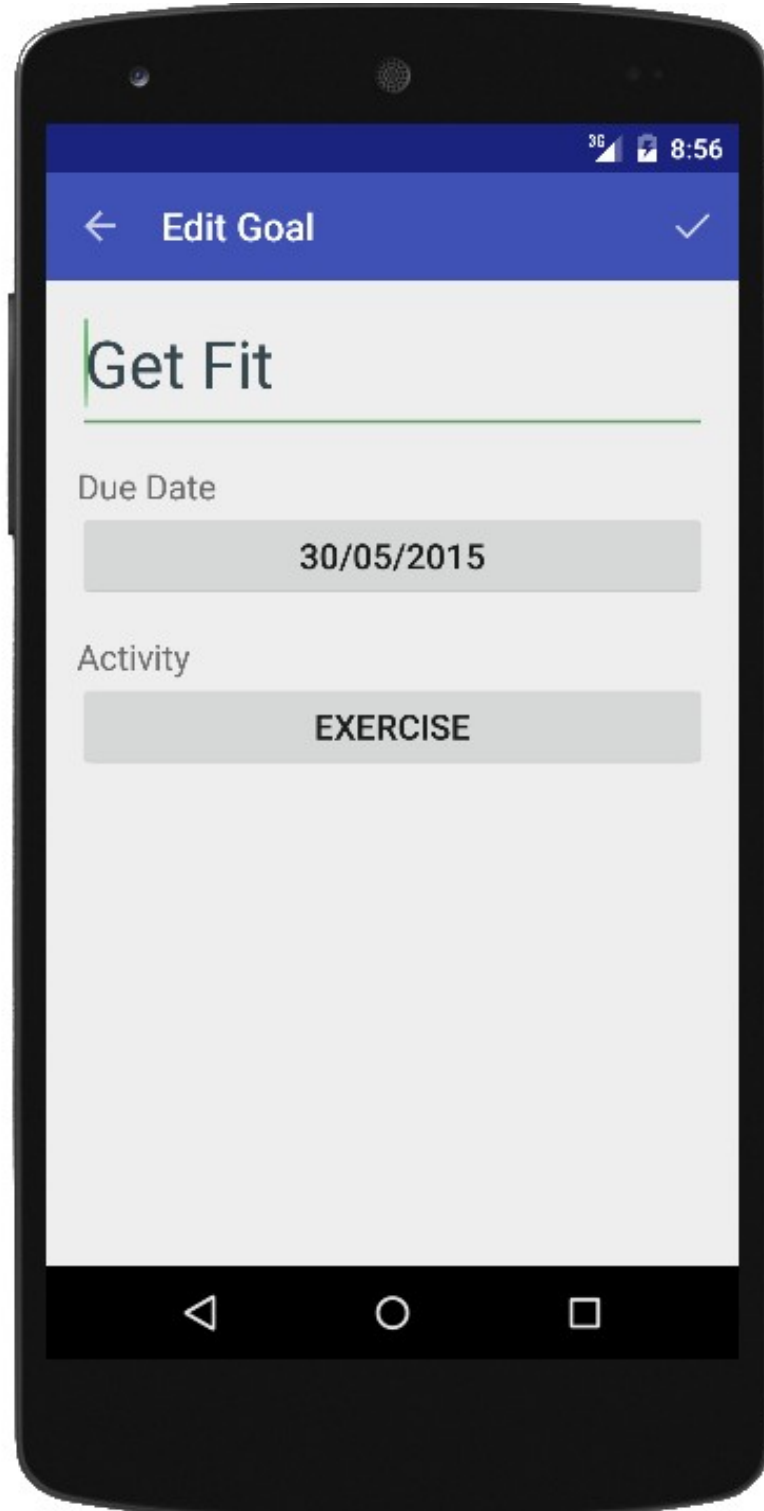
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Demo

Conclusion and Future Plan

Conclusion and Future Plan

- Conclusion
 - Analysis and Design
 - User Interface Design
 - Coding
 - Database Implementation
 - Routines and Activities
 - Goals
- Future Plan
 - Coding
 - Progress and Review
 - Notification and Reminder
 - Auto recommendations
 - Testing

References and Bibliography

References and Bibliography

- Websites

- [1] www.lifehack.org

- Siobhan Harmer, Lifehack, "Amazing routine of 7 successful entrepreneurs",

Available: <http://www.lifehack.org/articles/productivity/use-these-daily-routines-7-famous-entrepreneurs-create-your-own-routine.html>

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- Joel Runyon, Lifehack, "Routines make you more productive. You probably just never knew how"

Available: <http://www.lifehack.org/articles/productivity/why-using-routines-will-make-you-more-productive.html>

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Last Access: 25/9/2014 8:20 PM
 - Barbara, Lifehack, “Evaluating you goals for more productivity”
Available: <http://www.lifehack.org/articles/lifehack/evaluating-your-goals-for-more-productivity.html>
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- [2] Mason Currey, “Routine of W H Auden” in *Daily Rituals: How Artists Work*, 1st ed. New York: Knopf Doubleday Publishing Group, 2013, pp. 13-15
- [3] Stephen Covey, “Fourth Generations of Time Management” in *The Seven Habits of Highly Effective People*, 1st ed. New York: Simon and Schuster, 2004, pp. 75-80

Thank You

Your time is limited, so don't waste it living someone else's life. Don't be trapped by dogma - which is living with the results of other people's thinking. Don't let the noise of others' opinions drown out your own inner voice. And most important, have the courage to follow your heart and intuition.

Steve Jobs