Cairo University  
Faculty of Computers and Information



**CS251**

**Software Engineering II**

BeHealthy

Software Design

2016/2017

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# Team

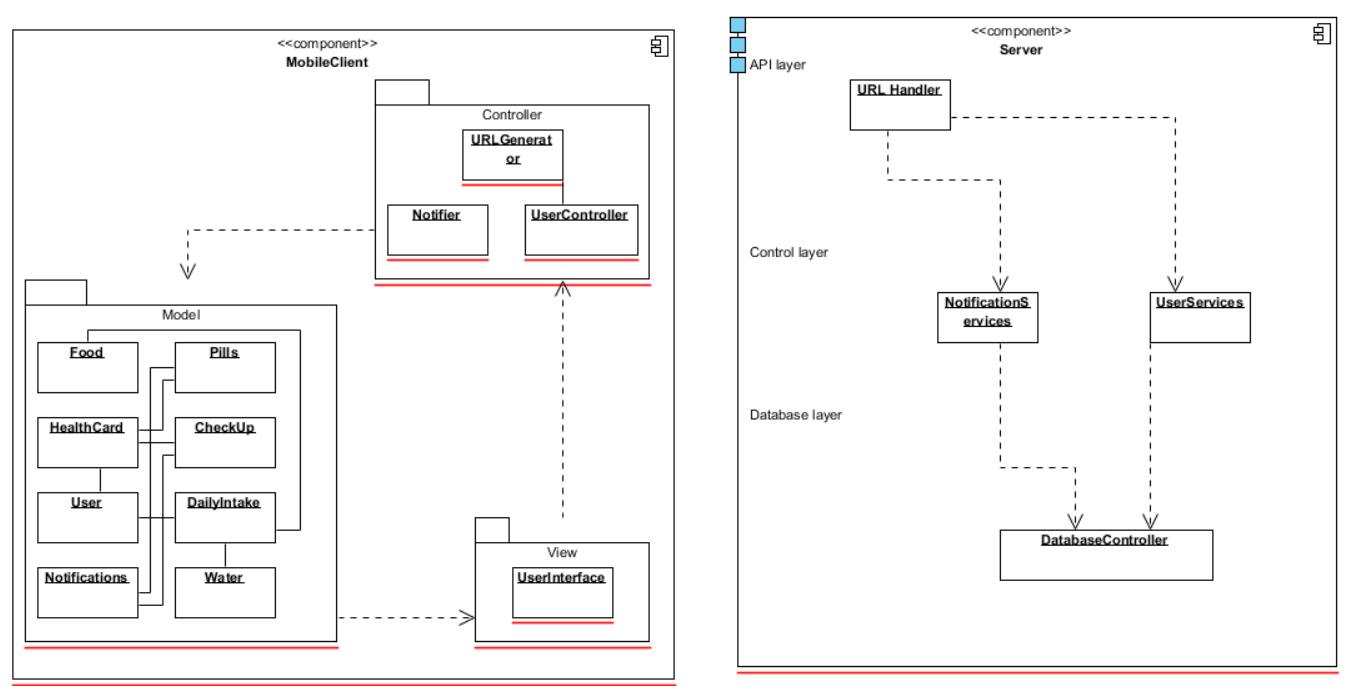
|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Name** | **Email** | **Mobile** |
|  | Donia Khaled |  |  |
|  | Hager Sobeah |  |  |
|  | Safwa Salman |  |  |
|  | Mahmoud Samy |  |  |

# Document Purpose and Audience

* **Any document should tell the reader 2 things: What is this document? Who is expected to read it?**
* **Write in simple notes: what this document is.**
* **List the target audience to read this document (e.g. CEO? Project Manager? Customer...?)**

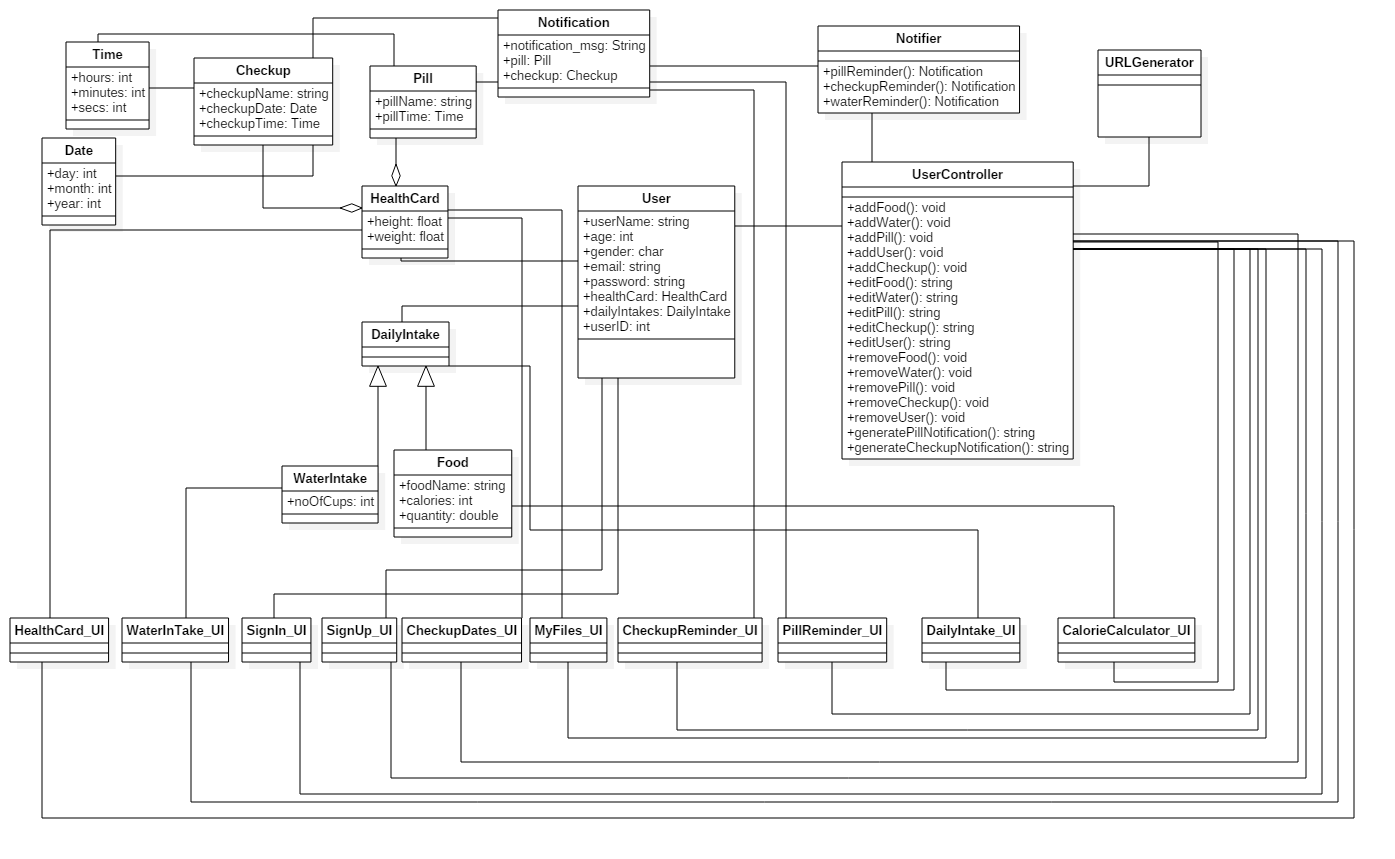
# System Models

## I. System Decomposition

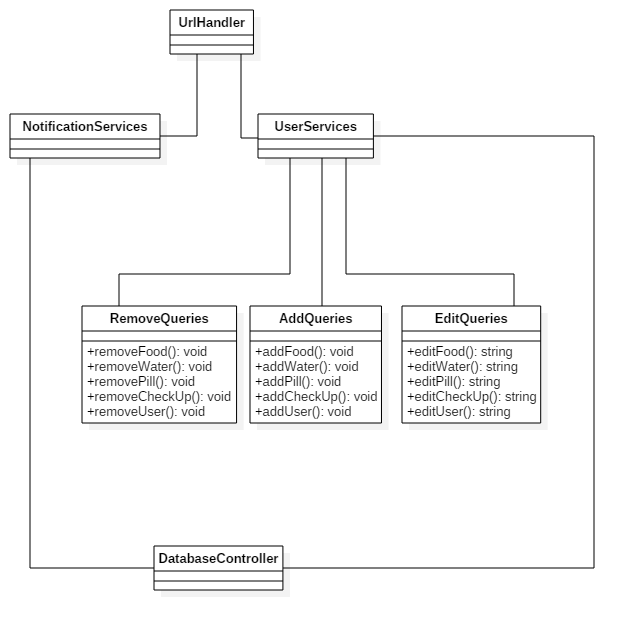
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## II. Class diagrams

**1-MobileClient**



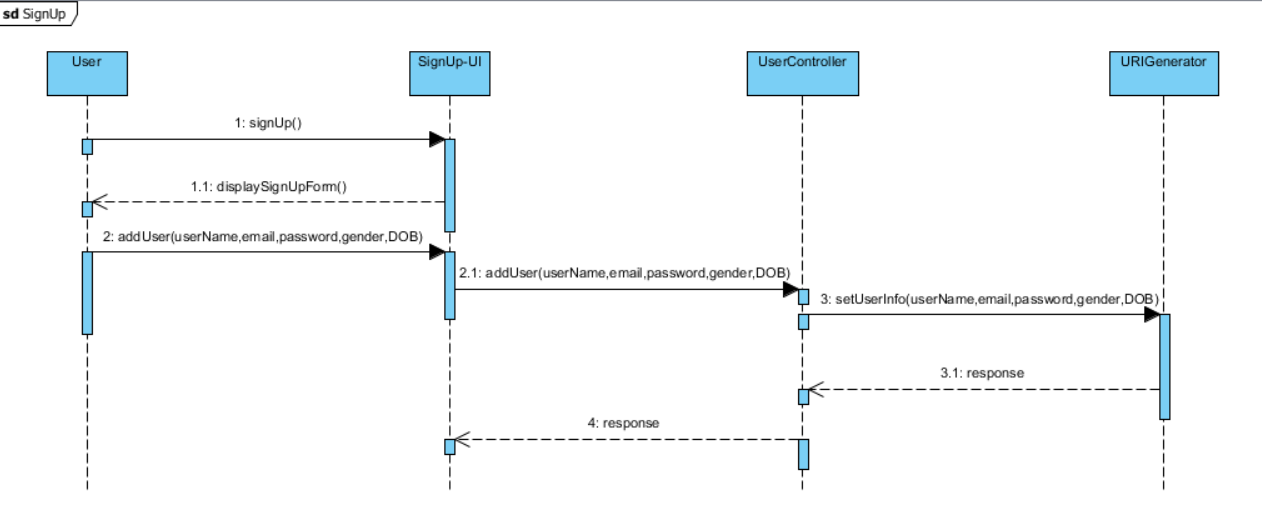
**2-Service:**

****

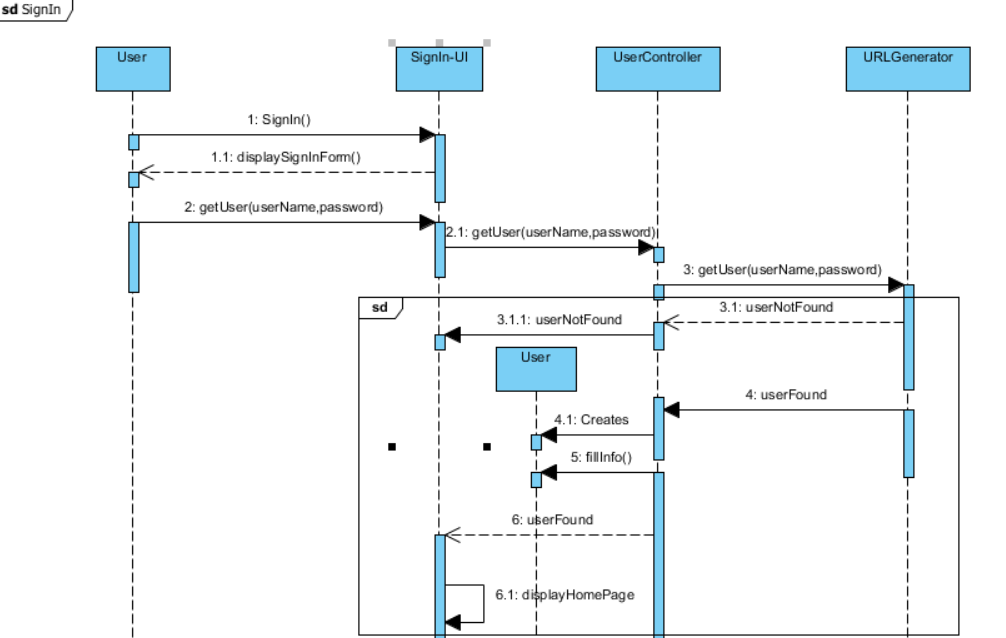
| **Class ID** | **Class Name** | **Subsystem ID** | **Description & Responsibility** |
| --- | --- | --- | --- |
|  |  |  |  |

## III. Sequence diagrams

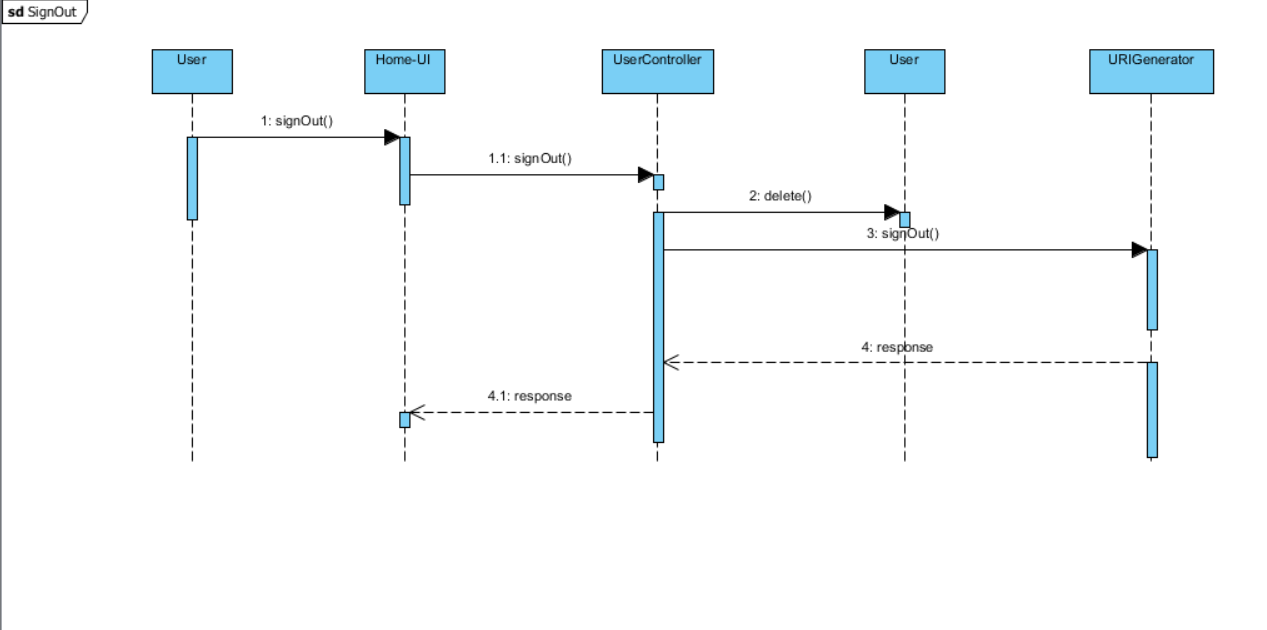
## Sign up

****

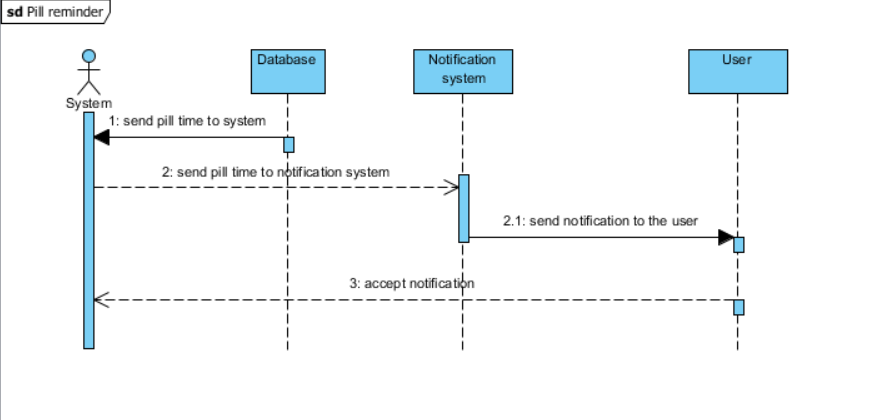
**Sign in**



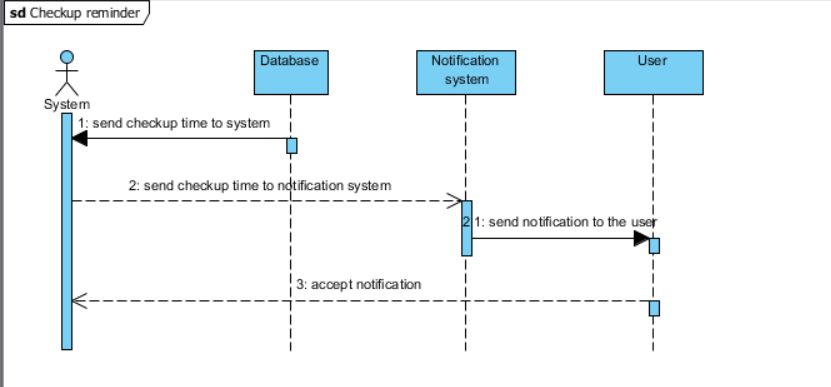
* **Sign out**



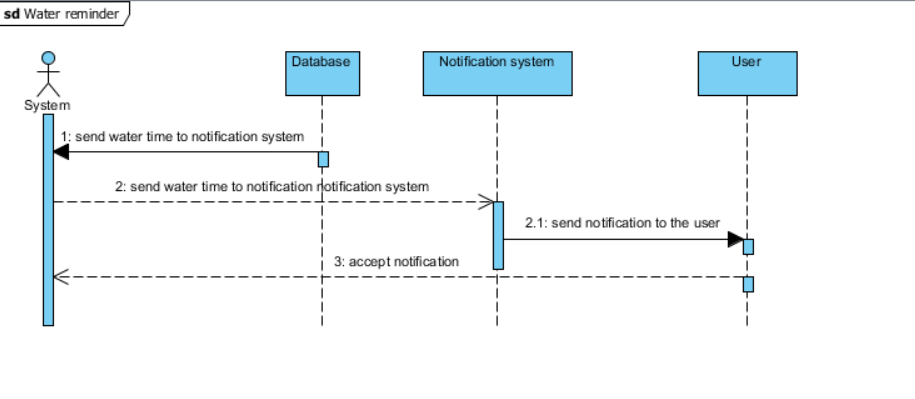
* **Pill reminder**



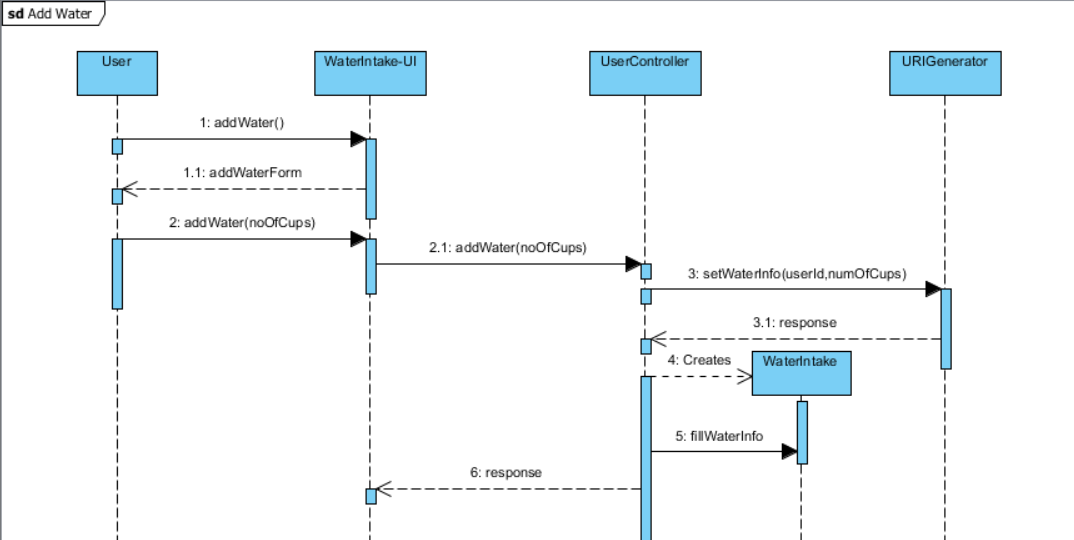
* **Checkup reminder**



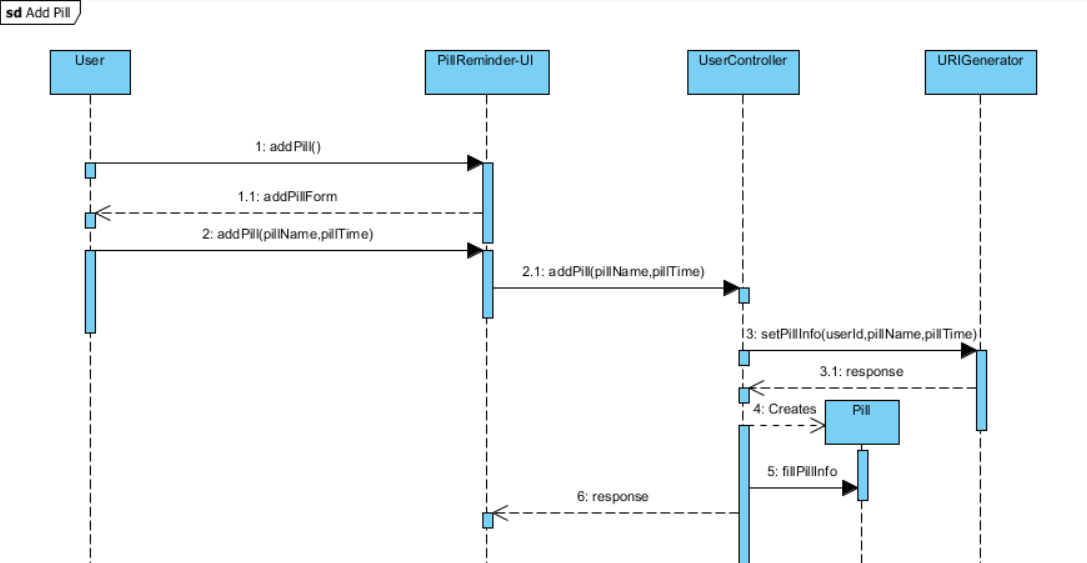
* **Water reminder**



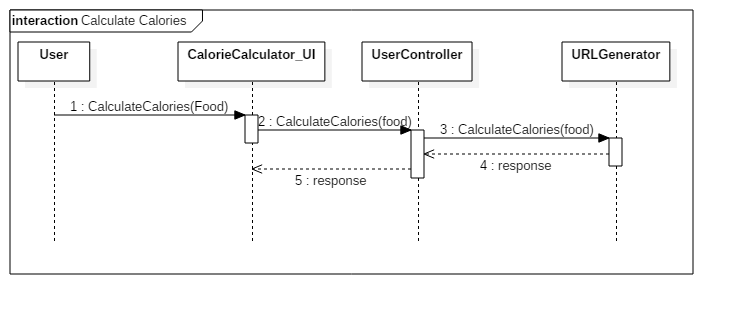
* **Add water**



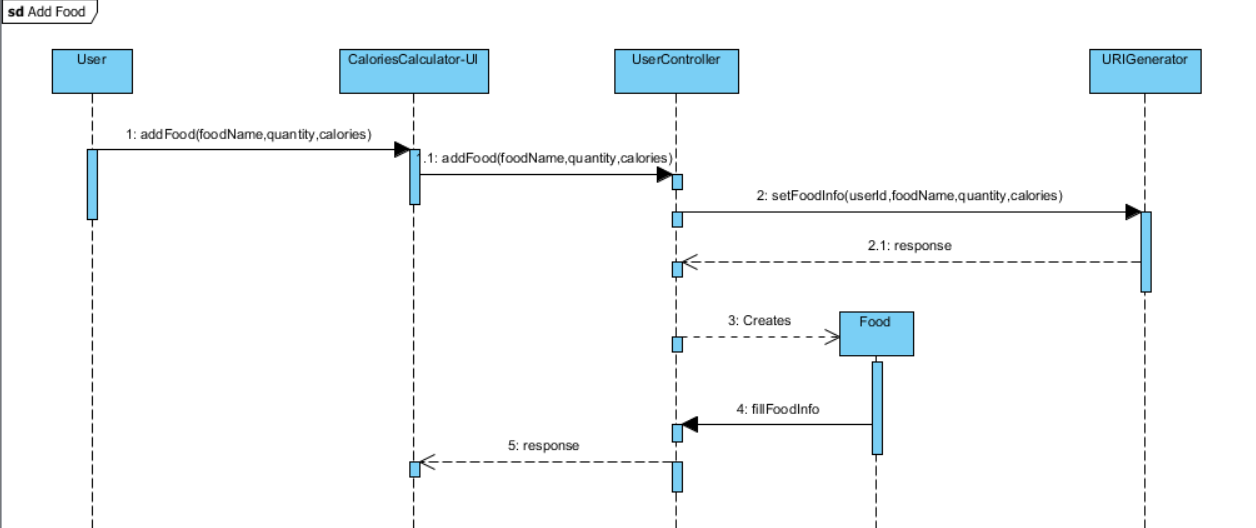
* **Add pill**

****

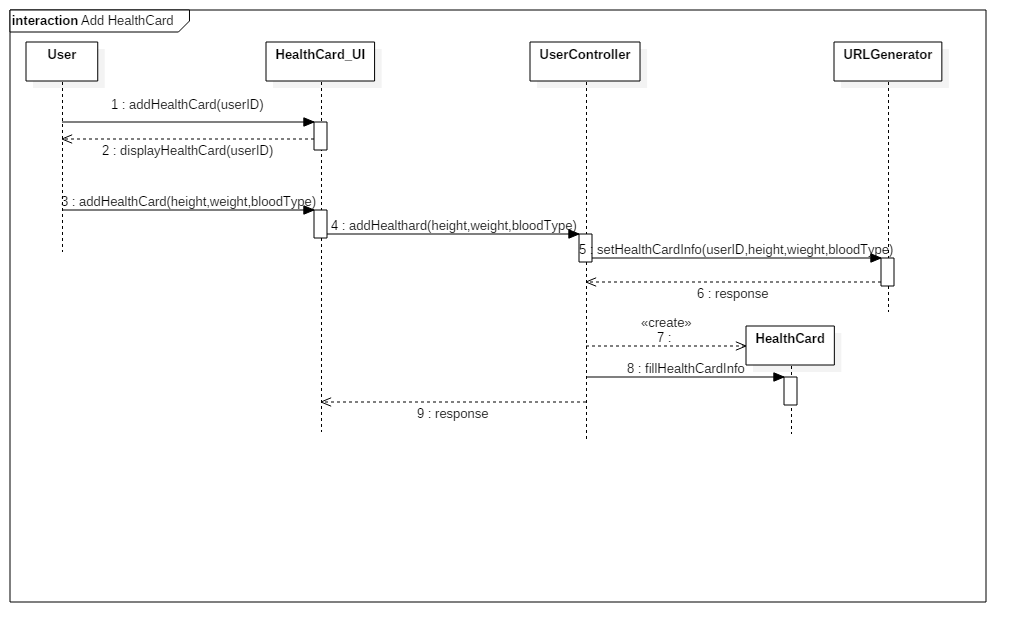
**Calculate calories**



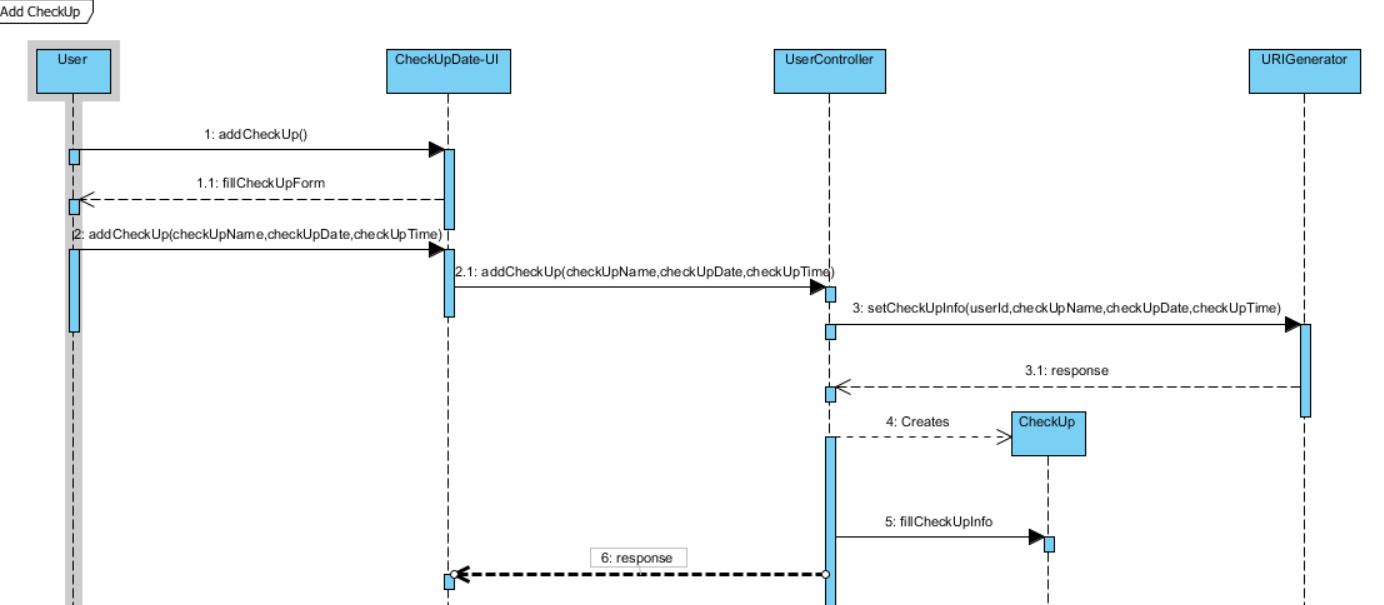
**Add food**

****

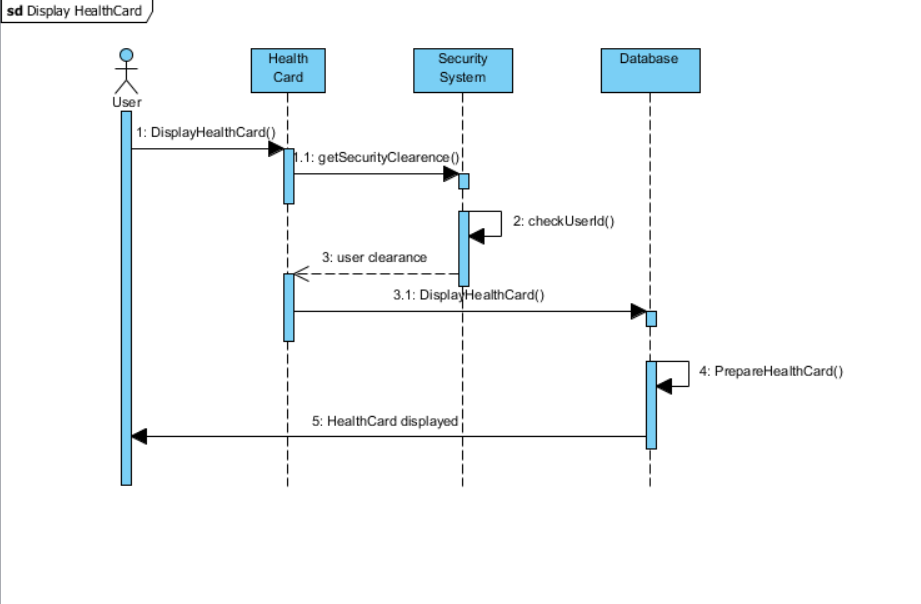
* **Add Health card**

****

* **Add checkup**



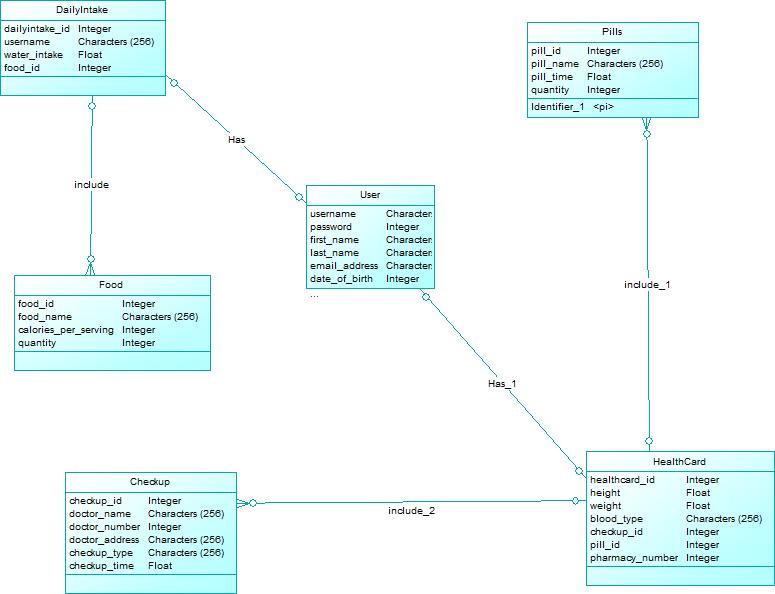
* **Health card**



* Class - Sequence Usage Table

| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| E.g. Employee | 1, 3, 5 (means Seq Ids 1, 3, 5 used Employee class) | Save, GetData |
|  |  |  |

## IV. Physical Entity-Relationship Diagram

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## V. User Interface Design

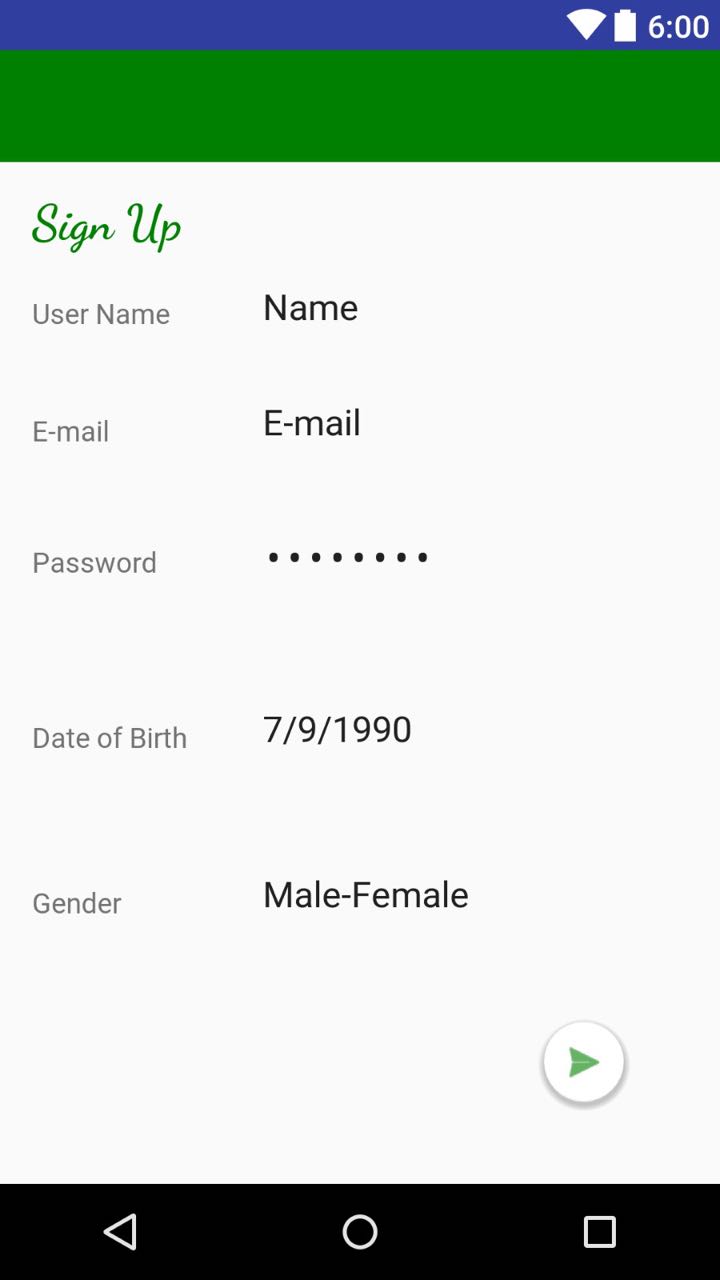
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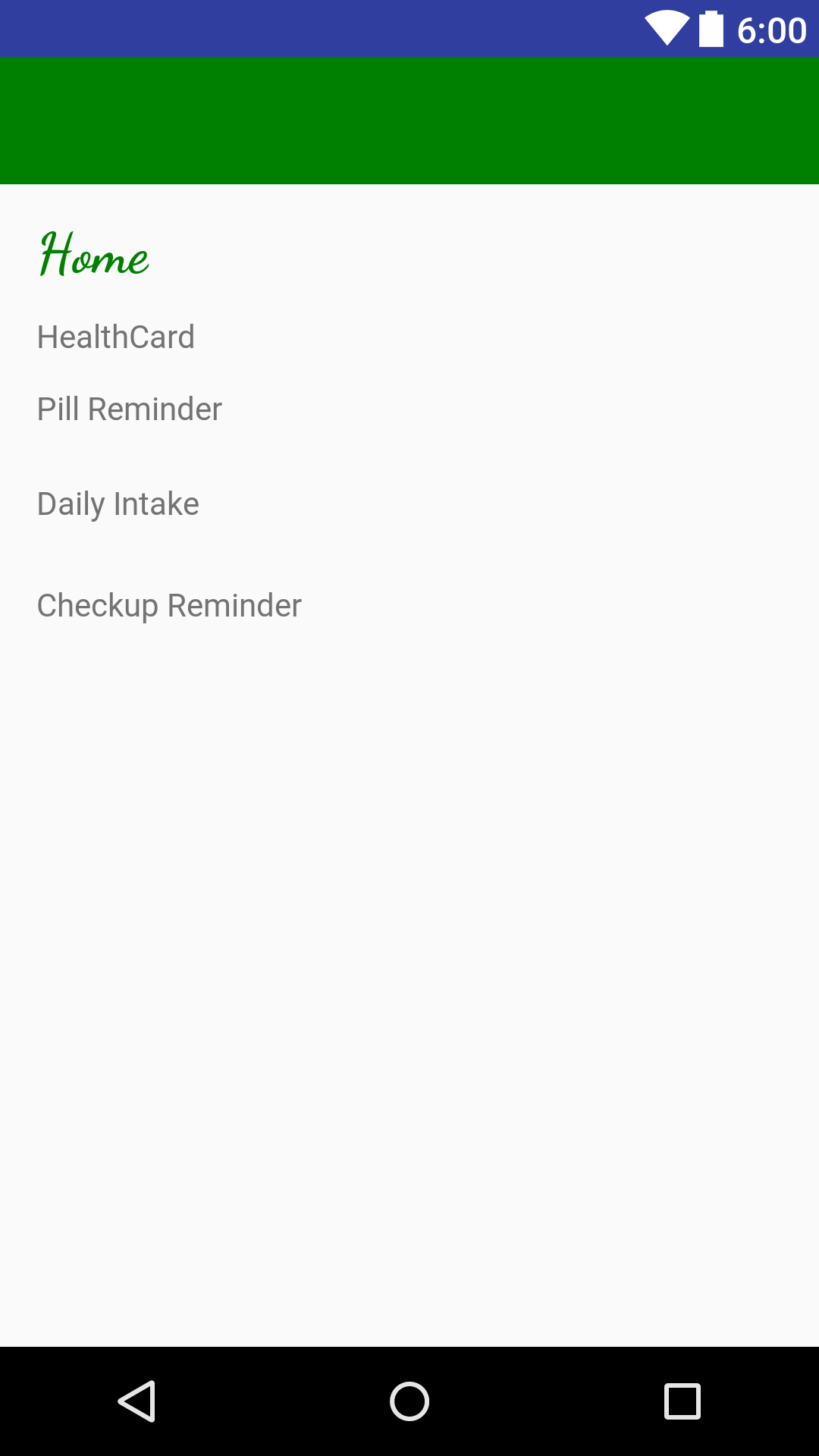
* **Screen 2 – Sign In**

****

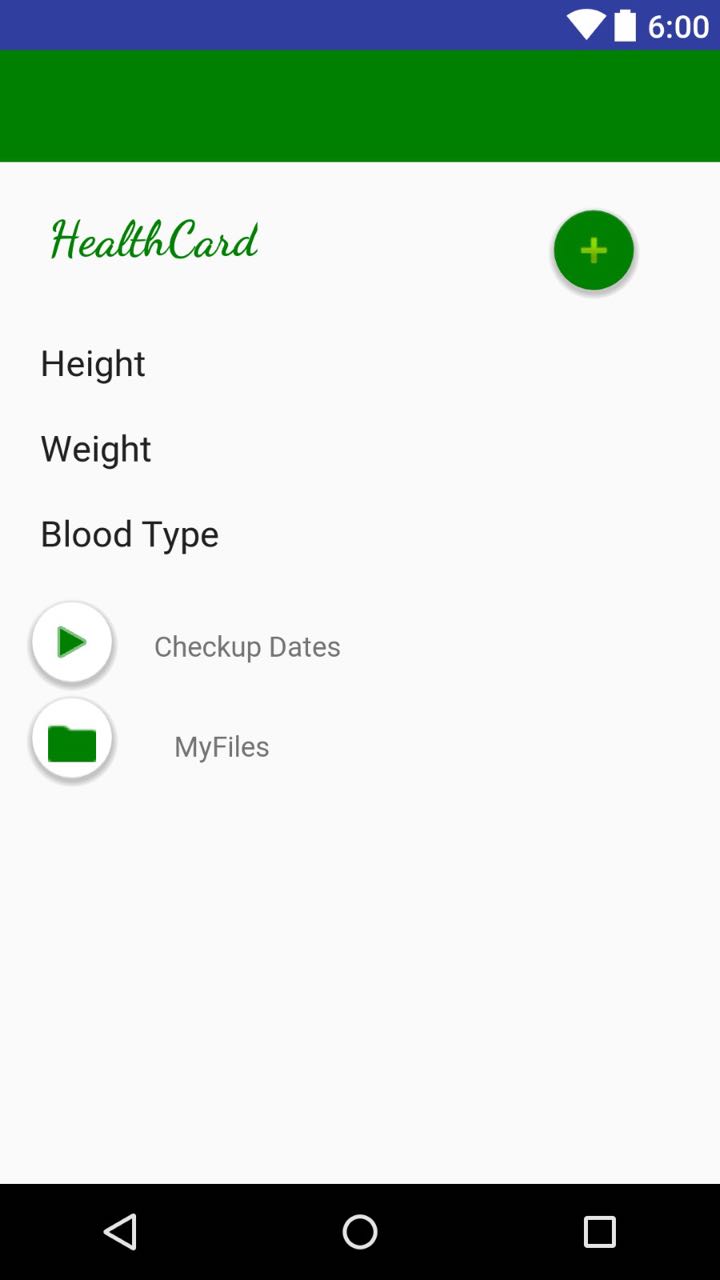
* **Screen3: Sign Up**



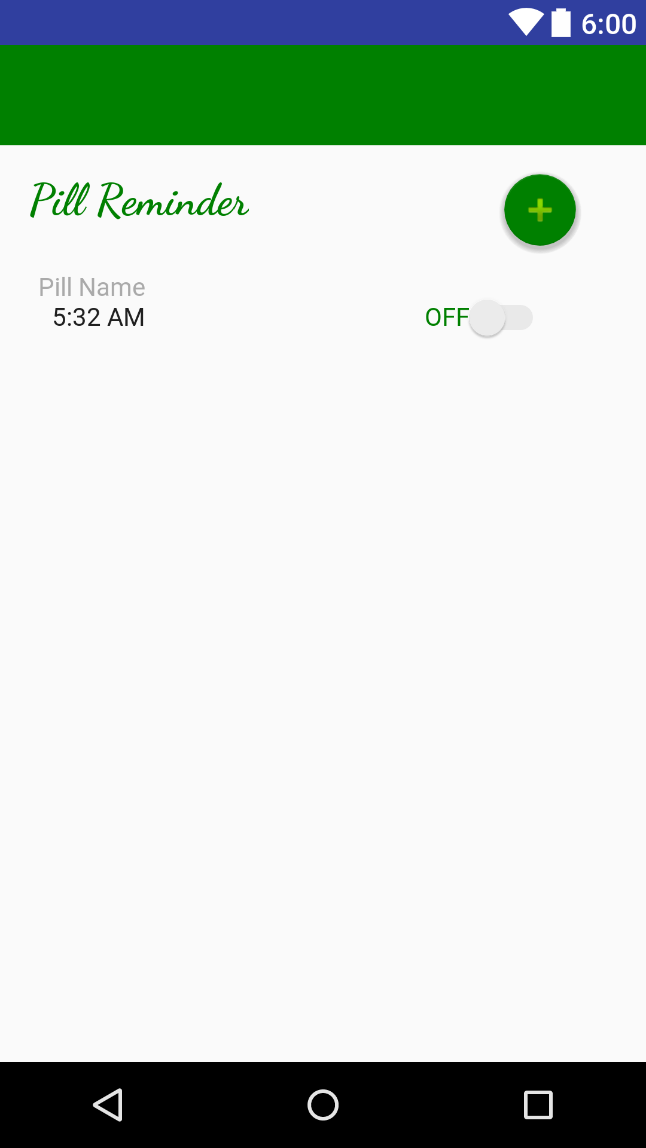
* **Screen 4: Home**



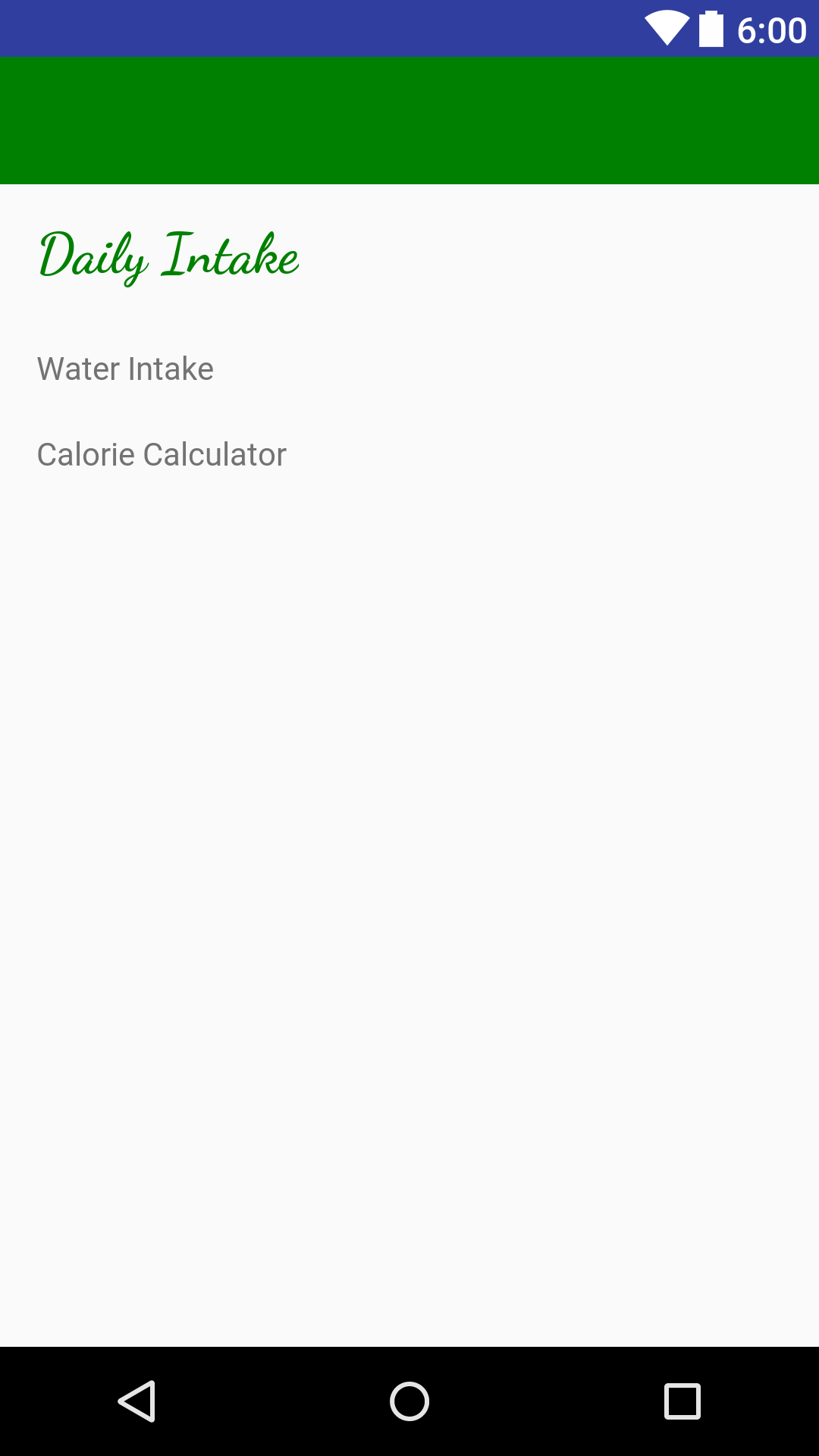
* **Screen5: Health card**



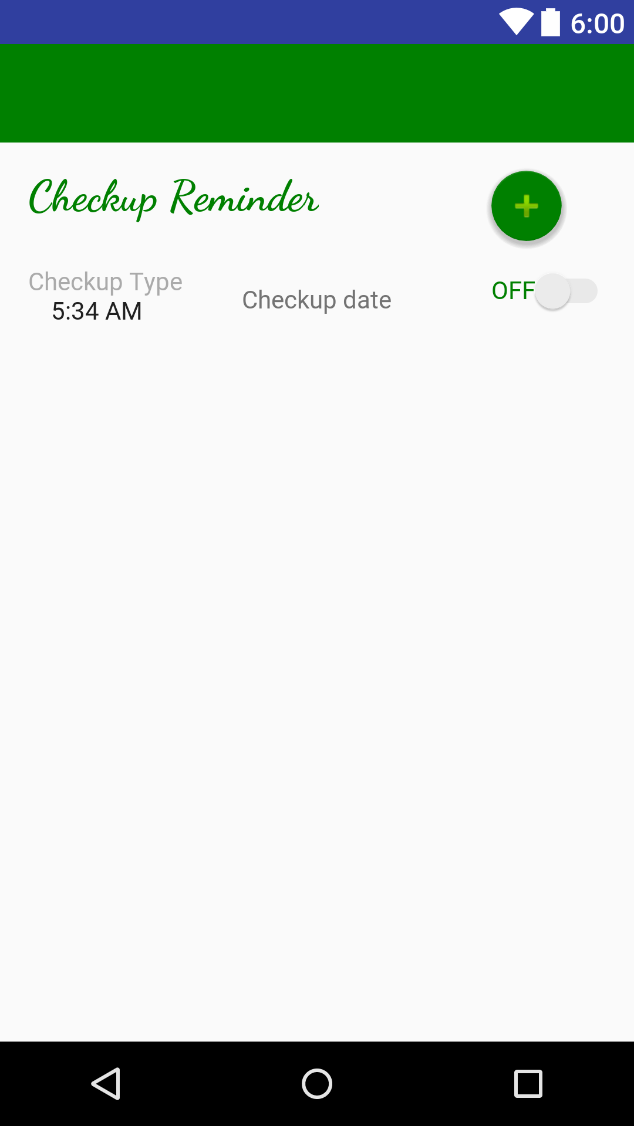
* **Screen6: Pill reminder**



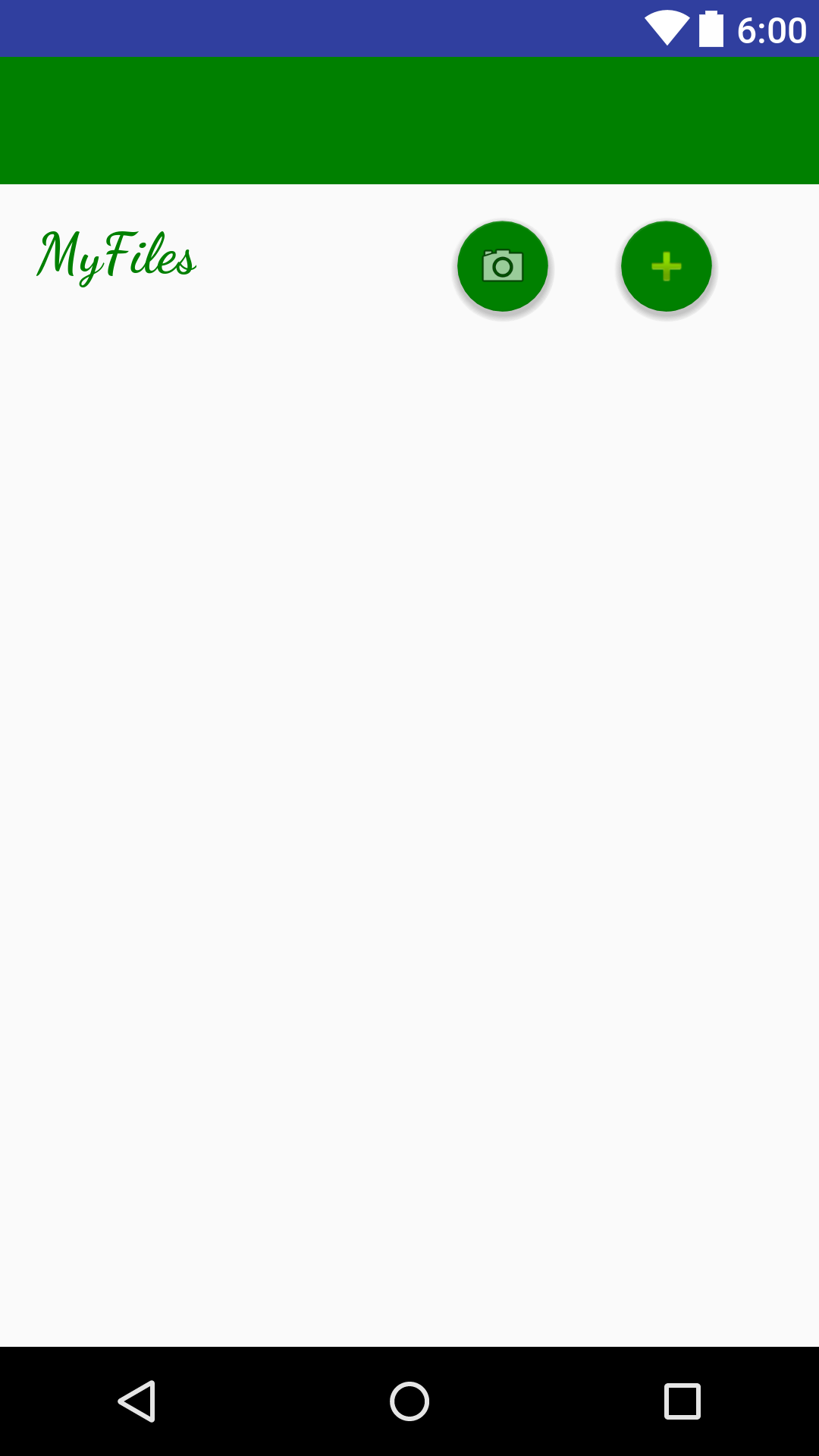
**Screen 7: Daily Intake**



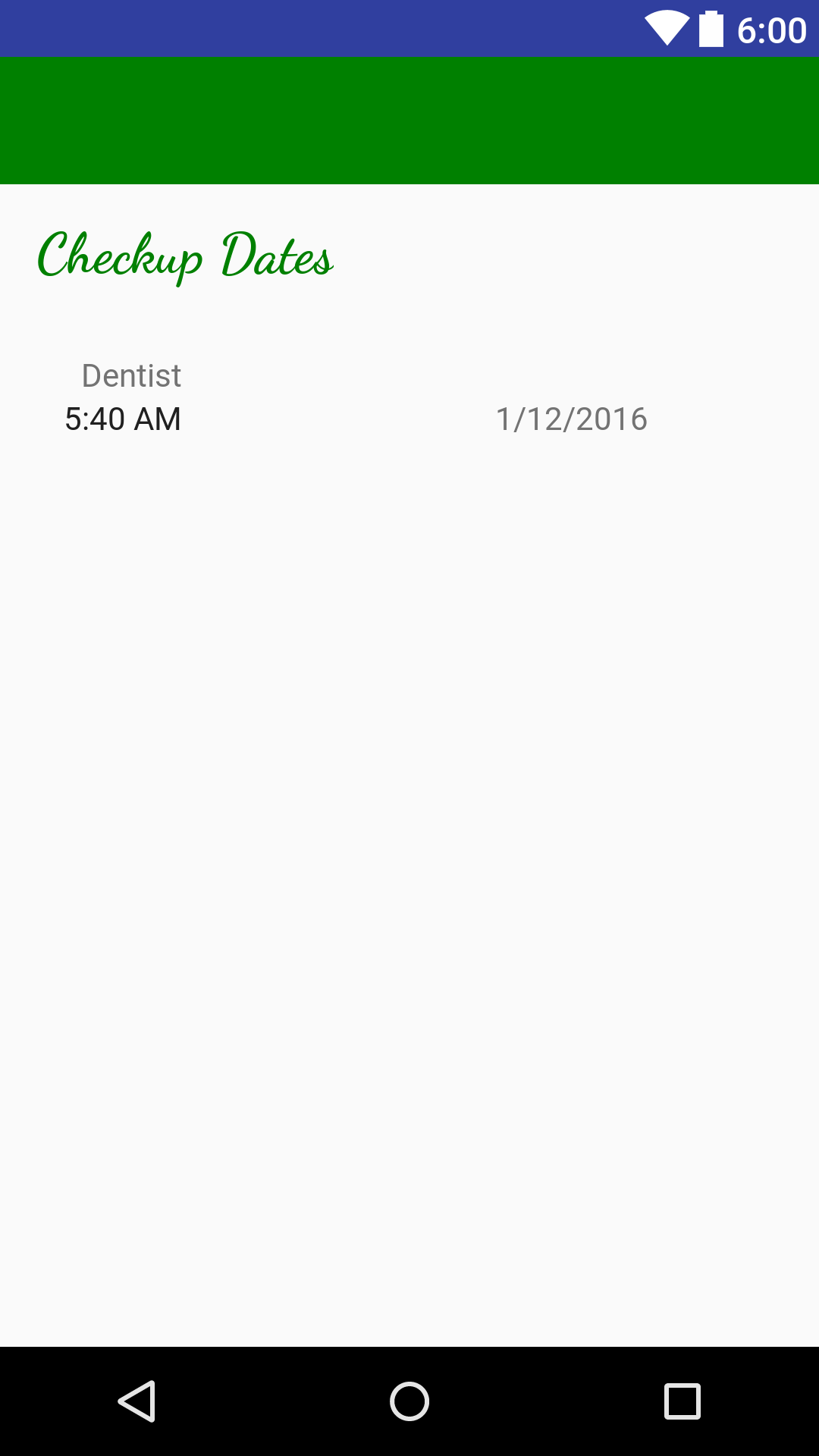
**Screen 8: Checkup Reminder**



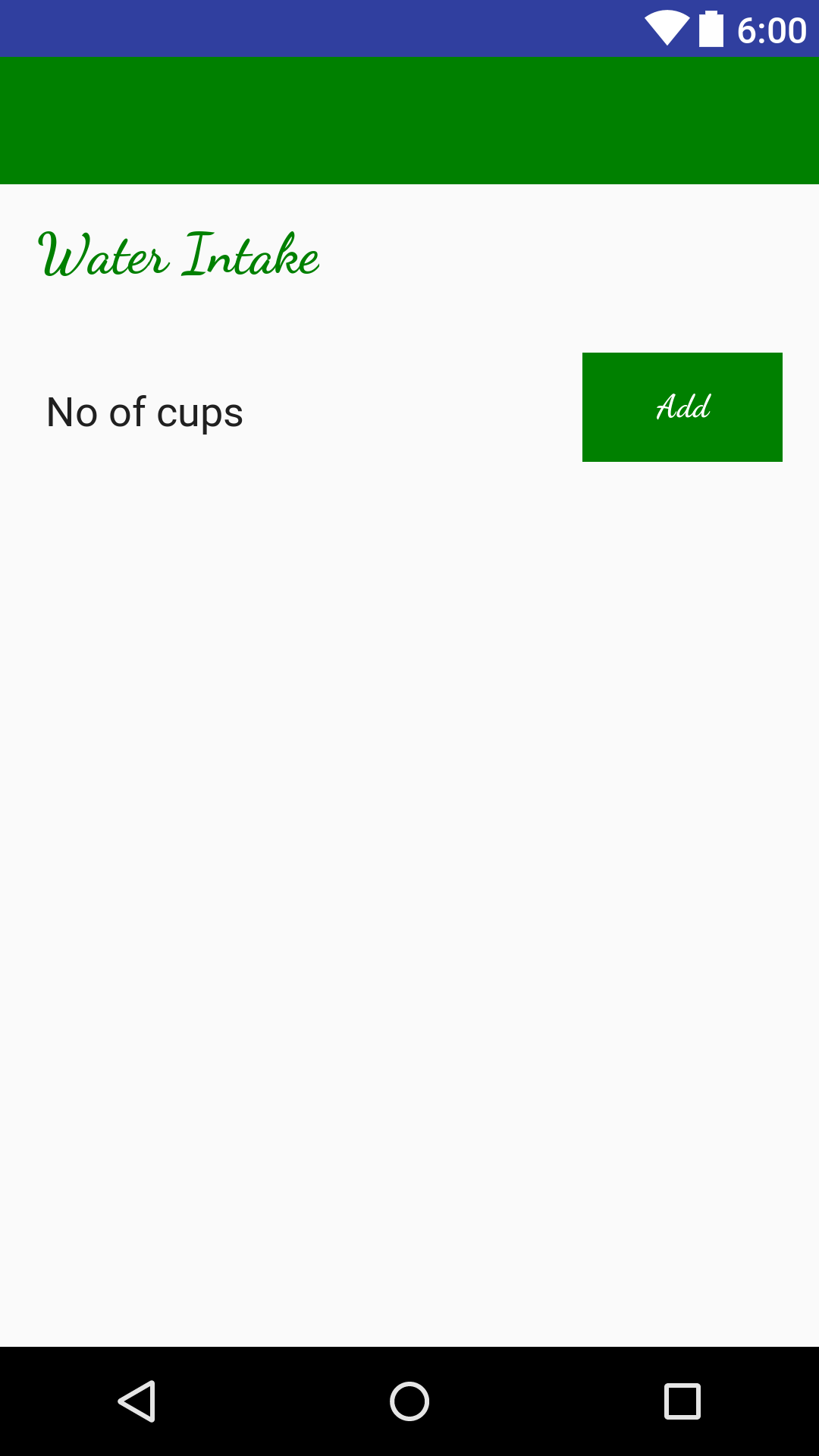
**Screen 9: My Files**



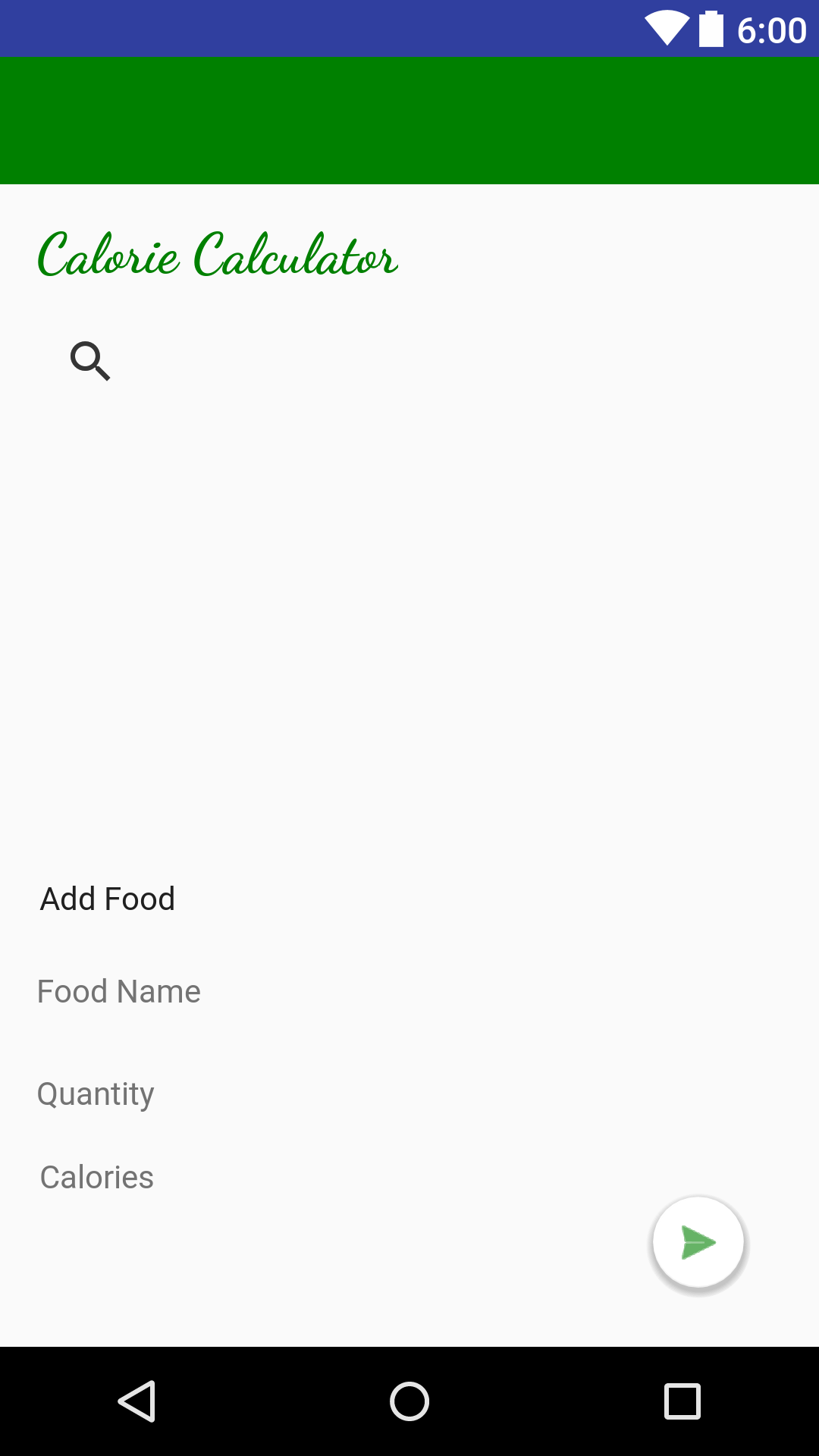
**Screen 10: Checkup Dates**



**Screen 11: Water Intake**



**Screen 12: Calory Calculator**



* **Navigation tree: Login Screen**

**|**

* **Navigation tree: Main Screen**

## VI. Bonus: State Diagram and OCL

|  |  |
| --- | --- |
| **Item** | **Owners** |
| Class diagram | *Donia Khaled- Hager Sobeah* |
| System decomposition | *Mahmoud Samy- Safwa Salman* |

# References

* http://www.mhhe.com/engcs/compsci/pressman/graphics/Pressman5sepa/common/cs1/design.pdf

# Authors

* Mostafa Saad and Mohammad El-Ramly