

CHILDREN'S HEALTH BOOK

“HEALTHY CHILD HEALTHY WORLD”

MISG2010 –
OOD&SE

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TEAM MEMBERS



Product
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PROJECT DESCRIPTION

Application: Children health record book

Description: This application helps parents to record their children's growth and health information, such as weight and height, vaccines and other.

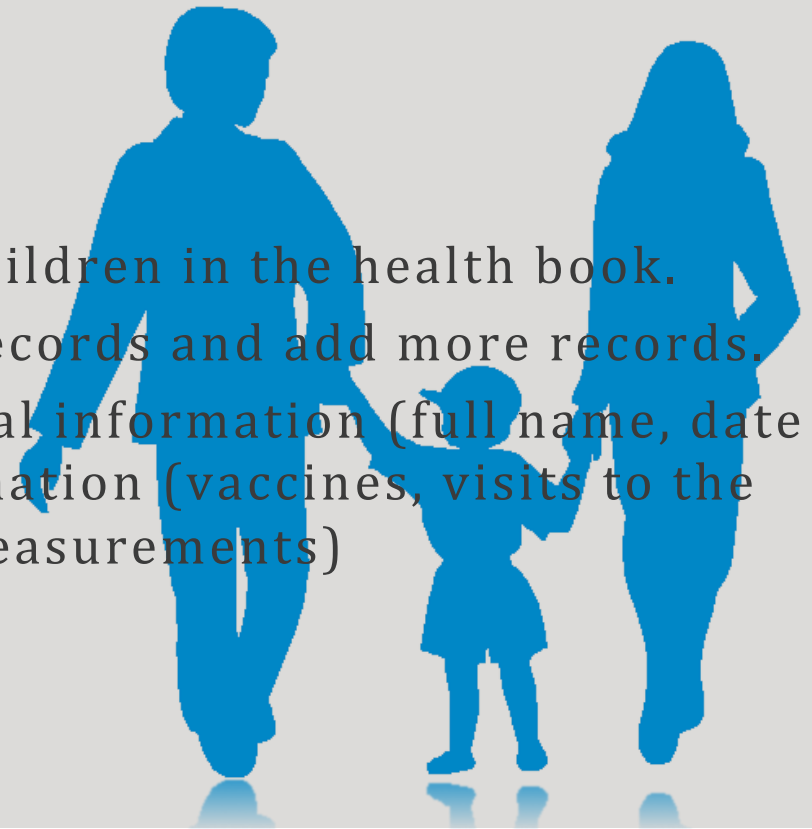
Targeted Users: Parents

App Usage:

Parents create records for their children in the health book.

Parents can look up the existing records and add more records.

Records include children's personal information (full name, date of birth) and health related information (vaccines, visits to the pediatrician, blood test results, measurements)





USER STORIES

- As a Parent, I want to create a record for each of my children so that I can store and view their health records.
- As a Parent, I want to record my child's measurements (weight, height) so that I can monitor my child's growth.
- As a Parent, I want to record what vaccines my child had so that I can view my child's vaccine card later.
- As a Parent, I want to record my child's allergies (food, medication, etc) so that I can avoid the intake of any possible allergic substance.
- As a Parent, I want to record my child's blood test results so that I can have the history of my child's blood tests.
- As a Parent, I want to retrieve my child's blood tests results so that I can review and compare them.



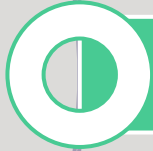
USER STORIES



As a Parent, I want to retrieve my child's general medical report so that I monitor my child's health.



As a Parent, I want to record history of my child's medications so that I can view the medications my child has taken.



As a Parent, I want to record my child's healthcare provider contact info so that I can contact the doctor as needed.



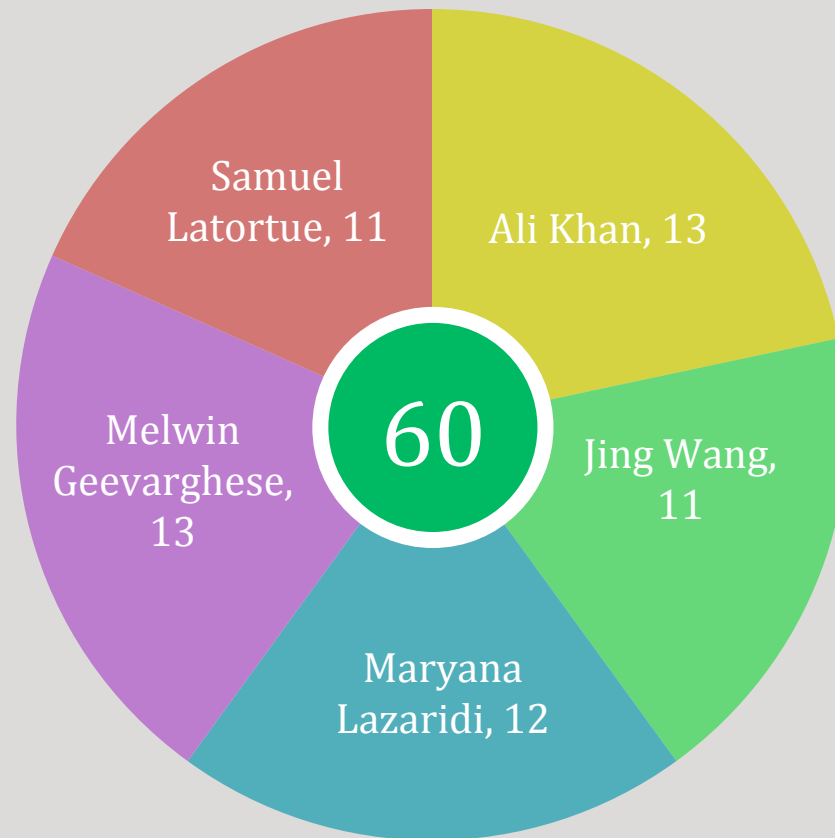
As a Parent, I want to record my child's visit to the healthcare provider so that I can review it at a later time.



As a Parent, I want to record my child's upcoming appointment with a doctor so that I won't forget the date.

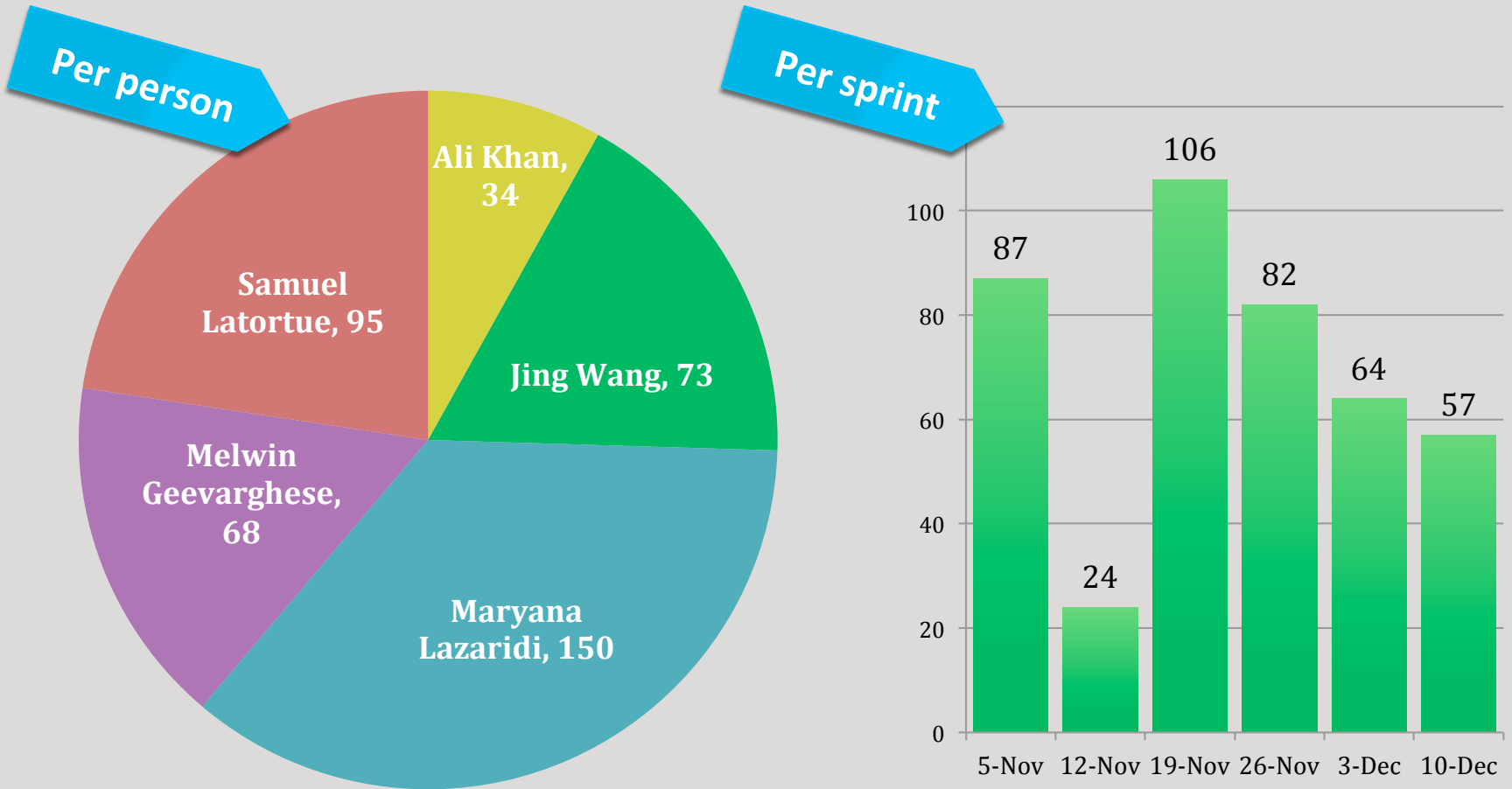


ISSUES





COMMITTS





PROJECT STATISTICS



Pylint

- Score **9.63/10**
- Lines of code **913**
- Docstrings **207**



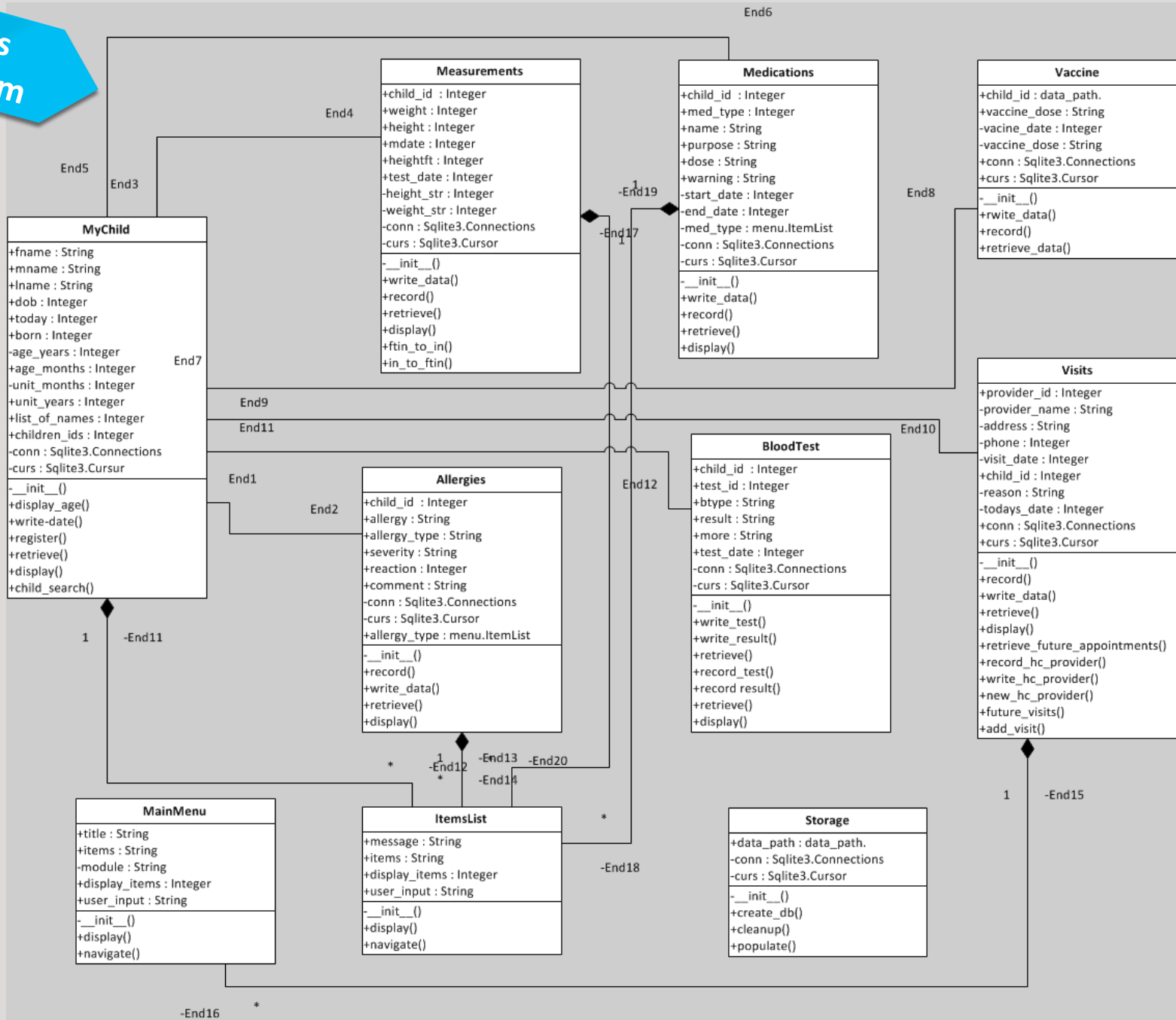
Tests

- Lines of code **1771**
- Total # **75**
- Unit tests **61**
- Acceptance tests **14**

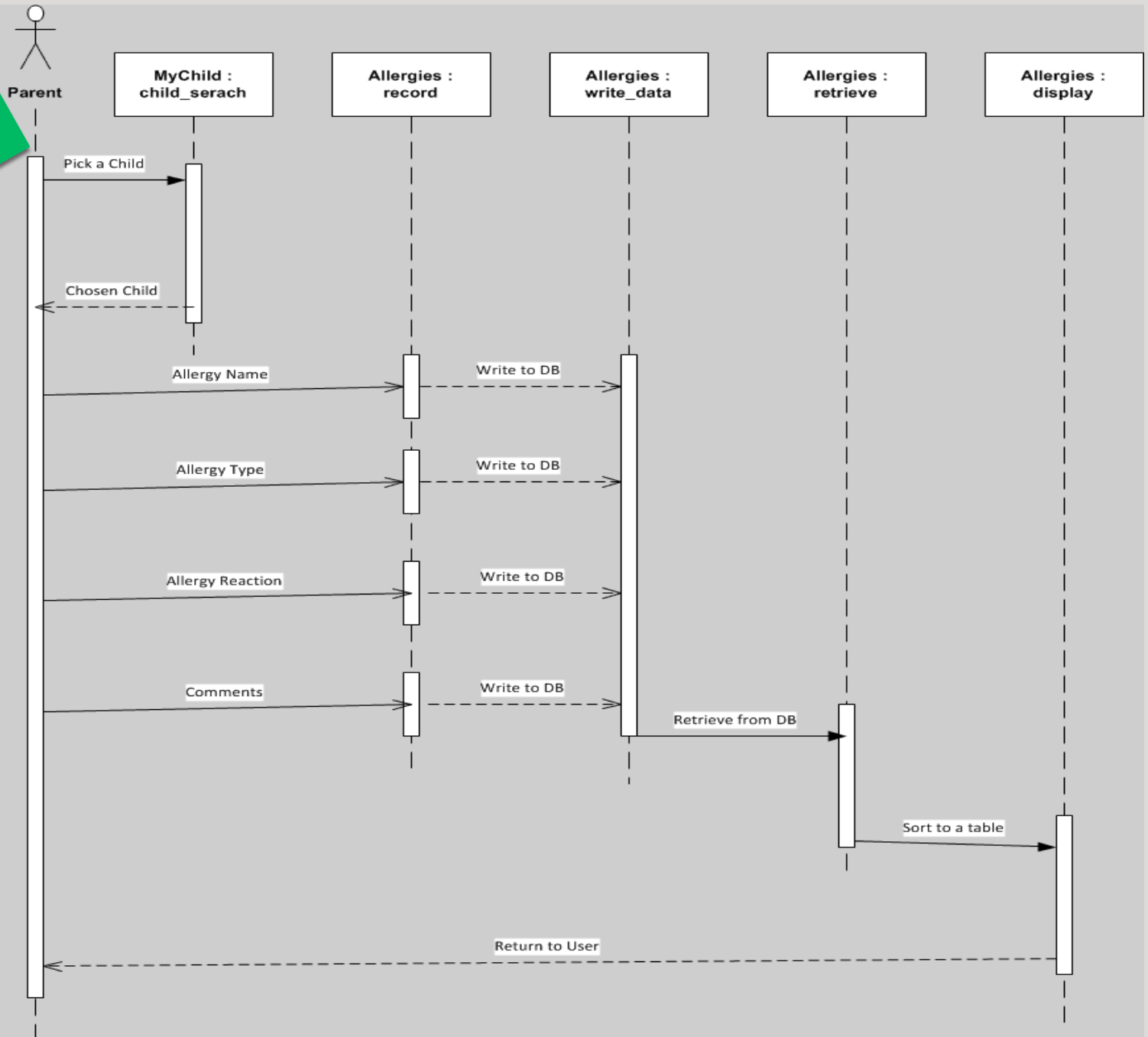
Coverage

allergies	100%
blood	97%
measure	98%
meds	98%
menu	98%
mychild	100%
storage	96%
vaccine	98%
visit	100%

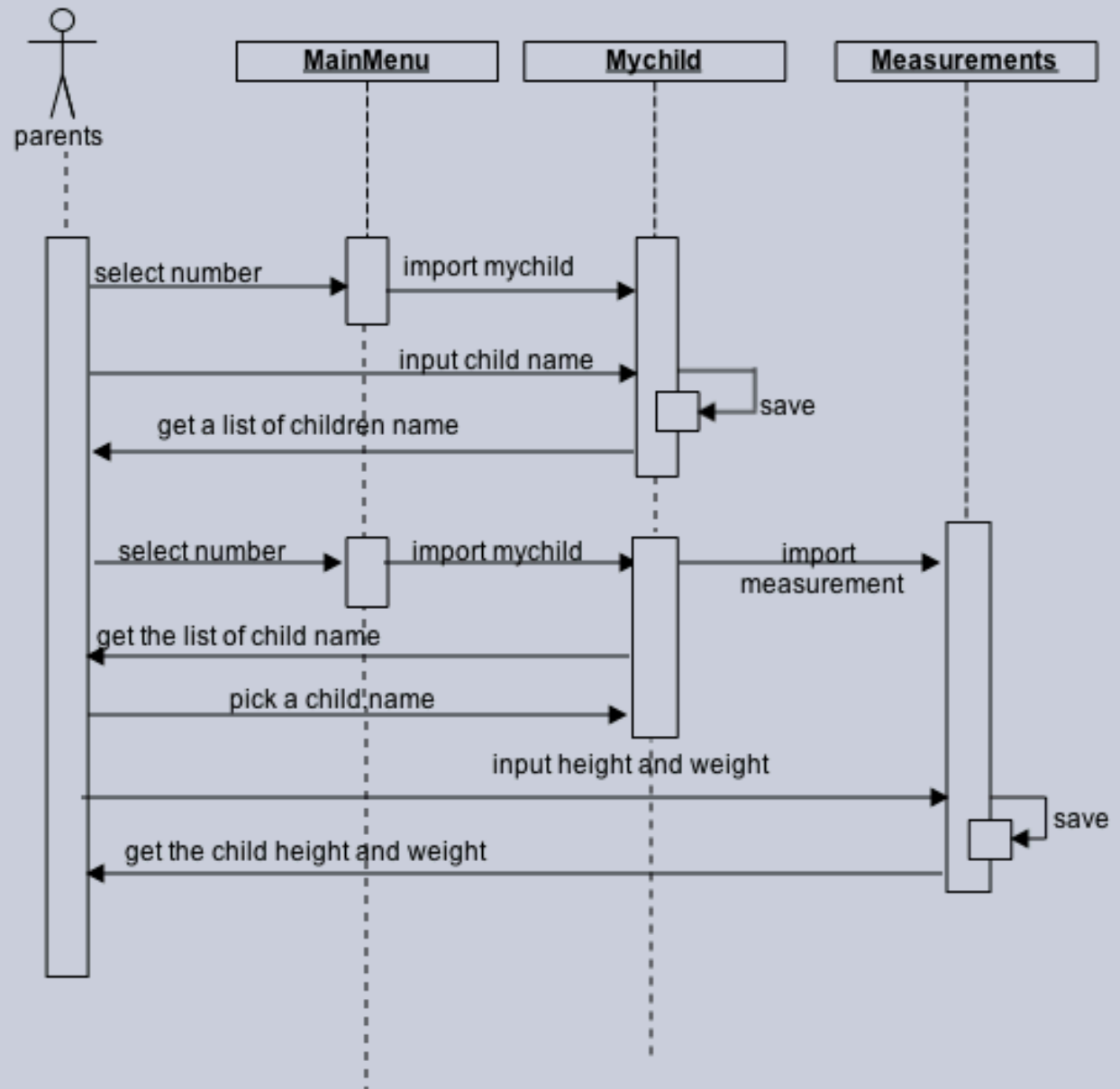
Class Diagram



Sequence Diagram



Sequence Diagram

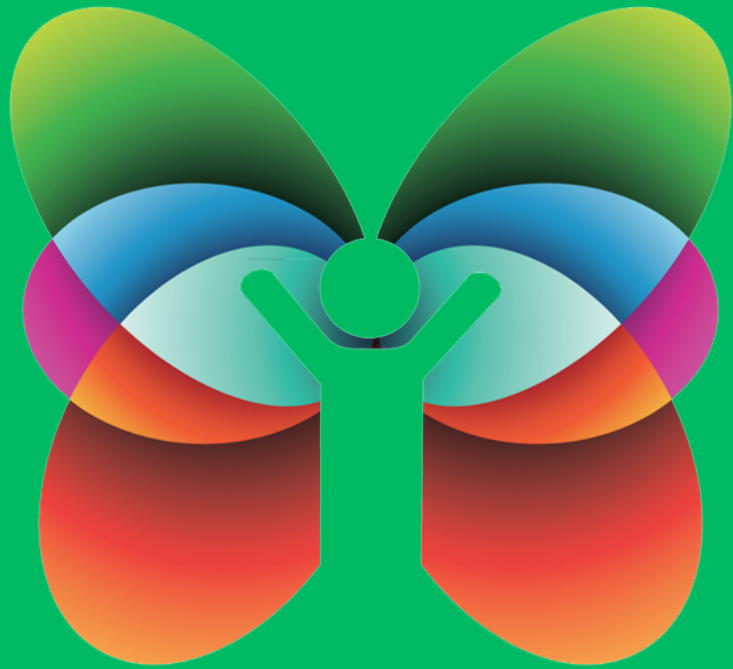




TESTS

- Libraries used
 - Unittest
 - Mock
 - Pexpect
- Unit Tests techniques
 - Code adjusted for unit testing
 - Monkey patch
 - Assert
 - One unit test for each method and function
- Acceptance test techniques
 - One acceptance test for each Main Menu and Submenu item





DEMO TIME

enjoy