PROJECT TITLE: SmartLife

Bi-weekly Report 2

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Summary
This week we are working separately with different parts. All team members contributed to their parts. We did the backend mockito test to double check everything is correct on the server. Most functions of the frontend are completed. Further improvement needed next week. VolleyController is completed, the application could work offline and online properly.

Individual Contributions

Team Member	Contribution
Xin Wang	Spring boot updated, mockito test
Wentao Pei	Calendar view, add event, fix bugs
Dengyun Ma	Online services mostly completed, Some details need to be improved, Bugs fixed, UI development
Qinwen Yang	-Learn and work with tensor data structure. -Practice pytorch using python. -Create custom models to best fit or classify the dataset. -Continue working image recognition with CNN using CIFAR10 dataset

Pending Issues
- Events are not being saved properly yet.
- The Calendar tab can have a better look.

- Decision for using different layers in the custom model. (ReLU layer, Convolution layer, Pooling layer...)
- Truly understand gradient descent, error back propagation and transfer it to code.
- Building a relationship between observer user and normal user.

Plans for the Upcoming Week

- Continue fixing bugs
- Save events locally
- Connect the DS algorithm to our app
- Maintain Project website
- Update wiki page in gitlab
- Finish custom model using CNN to classify image dataset(CIFAR10)
- The database and spring boot need to be updated to meet the new functions of the frontend.