1. In this situation I will use Agile software development methodology because:

* The requirements are just pre-defined by parents. Therefore, they can be changed in the future.
* Additionally, these requirements are pre-defined by parents, but the users are both parents and babysitters, so these are one-way requirements and we can not sure that the application will sastify all users.
* The last, we can interview the parents and babysitters for the success of the application.

For these seasons, I will use Lean Development.



* The babysitters can be received the requests from the parents immediately and the babysitters are able to accept or decline the request from the parents.
* The babysitters are able to post and update their information and job finding needs. From that the parents can easily find them.
* The babysitters can use the availability calendar of them so that it would let the parents know when they are free when they are busy.
* The babysitters are able to see the information of the child posted by the parents that they will take care.



* As a babysitter I want to receive the request from the parents so that I can accept or decline the request.
* As a parent I want to post my child’s information so that the babysitters can know and consider that they want to accept the request or not.
* As a parent I want to book and schedule the babysitters so that I can send the request to the babysitters



Story map for “Babysitter Application” feature:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Activities | Book and schedule | | Find babysitter | | Cash payment | | Caculator | |
| Task | Contact babysitters | Accept or decline request | Job posting | Post child’s information | Verify bank account or credit card | Pay the babysitter by banking transaction | Add up the fees | Calculate the taxes |
| Story | Send the message or request to the babysitter | Hit the button accept or decline request | Show the request and post publicly | Type their child’s information | Type bank account or credit card information | Type the number of wage | Type the allocate hours | Type various hourly rates |
| Send request to verify | Hit the button to pay the babysitters | Type extra services(optional) | Press the button to view taxes |
| Press the button to add up all the fees |

2. I agree with this requirement. This project should be **iterative** because the requirements are nearly enough to sastify the users but we still need the evaluation of both parents and babysitters.

This methodology help manage the the risk easilier, some functions are able to developed quickly .

However, the problem of design or architect can show up whener, and requirements of managements are more complicated.

Therefore, we need the supports of all users (parents and babysitters) and the supports of another development team to complete this application perfectly.

1. We will use **black box** test because:

* Just need to test functions, survey the behavior of users. Don’t care so much about the algorithm