System development methodology Justification

Looking at the list of different methodology’s and comparing them, we had decided that the best method that would fit in with out development plan was the Spiral methodology. This being because the method fits out project requirements, is beginner friendly as we are using unfamiliar technology, is very simple and easy to follow.

Functional

# Must have:

* Access levels
* Database
* Different classes for each access level
* Activities
* Image/text upload
* Payments/receipts
* Multiple schools
* Login system
* Associated guardian and tutor and school to pupils

# Pupil

* Can view activities
* Upload files for activities

# Teachers

* Can manage free activities (create, modify, delete, view)
* Can manage pupil
* Can do everything that pupil can
* Can link pupil account to parent account

# Parents

* Can make payments
* Can refund payments
* Can do everything that pupil can
* Can manage (view, create, modify, delete only ones that were created by them) multiple pupil activities

# Board

* Can manage teachers
* Can manage parents
* Can manage invoices
* Can manage paid activities
* Can do everything that teacher and parents do
* Can manage multiples of above activities

# Admin

* Create, remove, modify schools(board)
* And do everything that board does

# Activity

* Can be group
* Can be individual
* Should be linked to user or group

# Payments

* Can only be made by parents
* Can be refunded

Non-functional

# Should have:

* Good design
* Security
* Performance