1st Meeting Minutes

22nd June, 2008

I. Call to order

Kiron called to order the regular meeting of the FYP at 4PM on 22/06/2008 in Wan Chai

II. Roll call

Kiron conducted a roll call. The following persons were present: Vincent, Kiron, Jerry and Oz

III. New business

- 1 Game Design
 - 1.1 Game Genre: ARPG (Final Fantasy Crystal Chronicles like)
 - 1.2 Four characters with different skills
 - 1.2.1 Swordsman
 - 1.2.2 Robot
 - 1.2.3 Magician
 - 1.2.4 Ninja
 - 1.3 Four kind of action
 - 1.3.1 Attack
 - 1.3.2 Skills
 - 1.3.3 Guard
 - 1.3.4 Jump
 - 1.4 Four scenes
 - 1.4.1 Village
 - 1.4.2 Forest
 - 1.4.3 Town
 - 1.4.4 Snow hill
 - 1.5 Story: The main character's father invented a twin's robot but one of them became evil and wants to damage the world. The main character aims to stop the evil robot from damaging the world.
- 2 Find resources
 - 2.1 Engine
 - 2.2 Structure of game engine
 - 2.3 Libraries
 - 2.4 Interaction between models and game engine
 - 2.5 Developing environment
 - 2.6 Version control
 - 2.7 3D modeling tools
- 3 Further discussion
 - 3.1 Work division
 - 3.2 Game music

- 3.3 Toon shading3.4 Character style

IV. Adjournment

Vincent adjourned the meeting at 6PM.

Minutes submitted by: Vincent

Minutes approved by: Jerry

2nd Meeting Minutes

18th August, 2008

I. Call to order

Vincent called to order the regular meeting of the FYP at **4PM** on 18/8/2008 in Mongkok.

II. Roll call

Vincent conducted a roll call. The following persons were present: Vincent, Kiron, Jerry and Oz

III. Approval of minutes from last meeting

Jerry read the minutes from the last meeting. The minutes were approved as read.

IV. Open issues

- 1 Further game design
 - 1.1 Special effect:
 - 1.1.1 Toon shading
 - 1.1.2 Particle system
 - 1.1.3 Reduced loading time
 - 1.1.4 Cross platform
 - 1.1.5 Interaction with the scene
 - 1.2 Character design
 - 1.2.1 3D modeling
 - 1.2.2 Action design
 - 1.2.3 Skills design
 - 1.2.4 Weapon design
 - 1.2.5 Equipment design
 - 1.2.6 Item design
 - 1.3 Enemy design
 - 1.3.1 Boss
 - 1.3.2 Minimum another four enemy
 - 1.3.3 Item dropped by enemy
 - 1.4 UI design
 - 1.4.1 Skill in use surrounded by HP and MP at the top left corner
 - 1.4.2 Bur the background when using the Item/Skills/Ability Menu
- 2 Work division
 - 2.1 Documentation
 - 2.2 3D modeling
 - 2.3 Story script
 - 2.4 Engine
 - 2.5 AI

- 2.6 Battle
- 2.7 Game balancing
- 2.8 File system
- 2.9 Animation

V. New business

- 1 Proposal
 - 1.1 Think of the format and what to be included in the proposal
 - 1.2 To be disscussed on 5/9/2008 and further amended on 8/9/2008

VI. Adjournment

Kiron adjourned the meeting at 5:30PM.

Minutes submitted by: Vincent

Minutes approved by: Kiron

3rd Meeting Minutes

5th September, 2008

I. Call to order

Vincent called to order the regular meeting of the FYP at 4PM on 05/09/2008 in FYP lab.

II. Roll call

Kiron conducted a roll call. The following persons were present: Kiron, Vincent, Jerry and Oz

III. Approval of minutes from last meeting

Vincent read the minutes from the last meeting. The minutes were approved as read.

IV. Open issues

l Work division

Job		PIC
Documentation	Oz	Jerry
3D modeling	Kiron	Vincent
Story script	Oz	Vincent
Engine & file handling	Oz	Jerry
AI + Battle + Game Balancing + Level up + attack	Jerry	Vincent
UI + Camera + cut scene + background	Kiron	Oz
Animation	Kiron	Vincent
GPU		ALL
music	Kiron	Jerry

2 Proposal

2.1 To be finalized before 20th September, 2008

V. Adjournment

Oz adjourned the meeting at 5PM.

Minutes submitted by: Vincent

4th Meeting Minutes

25th September, 2008

I. Call to order

Oz called to order the regular meeting of the FYP at 4PM on 25/09/2008 in FYP lab.

II. Roll call

Jerry conducted a roll call. The following persons were present: Jerry, Kiron, Vincent and Oz

III. Approval of minutes from last meeting

Vincent read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 3D modeling
 - 1.1 Use Blender to model
 - 1.2 Design main character and the twin's robots
- 2 GPU shading
 - 2.1 Study GPU shading
- 3 Engine
 - 3.1 Study Irrlitch Engine

V. Adjournment

Oz adjourned the meeting at 5PM.

Minutes submitted by: Vincent

5th Meeting Minutes

16th October, 2008

I. Call to order

Vincent called to order the regular meeting of the FYP at 4PM on 16/10/2008 in FYP lab.

II. Roll call

Jerry conducted a roll call. The following persons were present: Jerry, Kiron, Vincent and Oz

III. Approval of minutes from last meeting

Oz read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 3D modeling
 - 1.1 Find another exporter for Blender to export .x file
- 2 GPU shading
 - 2.1 Testing and studying GPU shader with RenderMonkey
- 3 Engine
 - 3.1 Implement the Irrlitch Engine

V. Adjournment

Jerry adjourned the meeting at 5PM.

Minutes submitted by: Kiron

6th Meeting Minutes

11th November, 2008

I. Call to order

Jerry called to order the regular meeting of the FYP at 4PM on 11/11/2008 in FYP lab.

II. Roll call

Jerry conducted a roll call. The following persons were present: Jerry, Kiron, Vincent and Oz

III. Approval of minutes from last meeting

Kiron read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 3D modeling
 - 1.1 Fail in solving the problem of Blender's export
 - 1.2 Use Maya for 3D model
 - 1.3 Use MotionBuilder to animate the models
- 2 GPU shading
 - 2.1 Testing and studying GPU shader with RenderMonkey
- 3 Engine
 - 3.1 Implement the Irrlitch Engine

V. Adjournment

Jerry adjourned the meeting at 5PM.

Minutes submitted by: Kiron

7th Meeting Minutes

19th December, 2008

I. Call to order

Oz called to order the regular meeting of the FYP at 4PM on 19/12/2008 in FYP lab.

II. Roll call

Jerry conducted a roll call. The following persons were present: Jerry, Kiron, Vincent and Oz

III. Approval of minutes from last meeting

Vincent read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 Confirm Pedro's schedule
- 2 To do:
 - 2.1 Implement core system
 - 2.1.1 Read files
 - 2.1.2 Dynamically build scenes
 - 2.1.3 State machine
 - 2.2 AI implementation
 - 2.3 Game implementation
 - 2.4 3D modeling
 - 2.4.1 Animated character
 - 2.4.2 Static objects
- 3 Maintain SVN
- 4 Verify minutes
- 5 Maintain demo page for Pedro

V. Adjournment

Oz adjourned the meeting at 5PM.

Minutes submitted by: Vincent

8th Meeting Minutes

12th January, 2009

I. Call to order

Kiron called to order the regular meeting of the FYP at 4PM on 12/01/2009 in FYP lab.

II. Roll call

Kiron conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Oz read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 To do:
 - 1.1 FSM
 - 1.2 GPU shading for any special effect
 - 1.3 3D modeling
 - 1.3.1 Animations
 - 1.3.2 Monster
 - 1.3.3 Main character
 - 1.4 Scenes drawing
 - 1.5 GUI
 - 1.6 Search for multiple texture and materials

V. Adjournment

Jerry adjourned the meeting at 5PM.

Minutes submitted by: Kiron

9th Meeting Minutes

2nd February, 2009

I. Call to order

Oz called to order the regular meeting of the FYP at 6PM on 1/2/2009 in UST library.

II. Roll call

Vincent conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Jerry read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 To do:
 - 1.1 Progress report
 - 1.1.1 Find a game for literature review or survey
 - 1.1.2 Modify the content in methodology
 - 1.1.2.1 3D modeling
 - 1.1.2.2 Game engine
 - 1.1.2.3 Game system
 - 1.1.2.4 Structure setup
 - 1.1.2.5 GPU programming
 - 1.1.2.6 AI
 - 1.1.3 Update reference
 - 1.1.4 Update Gantt chart
 - 1.2 Demo in next meeting with Pedro
 - 1.2.1 Try Toon shading
 - 1.2.2 Try Newton
 - 1.2.3 Improve character texture
 - 1.2.4 Improve scene texture
 - 1.3 Within coming 2 weeks
 - 1.3.1 Work on FSM
 - 1.3.2 Implement Game system
 - 1.3.3 Finalizing the characters
 - 1.3.4 Setup basic model for other 3 scenes

V. Adjournment

Jerry adjourned the meeting at 7PM.

Minutes submitted by: Kiron

10th Meeting Minutes

16th February, 2009

I. Call to order

Oz called to order the regular meeting of the FYP at 12:30PM on 16/02/2009 in UST LG1 canteen.

II. Roll call

Vincent conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Jerry read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 To do:
 - 1.1 Update Blog for Pedro due on Tuesday(17/02/2009)
 - 1.2 Study Multi-pass problem due late February
 - 1.3 Implement game play due on Sunday (21/02/2009)
 - 1.3.1 Collision detection
 - 1.3.1.1 Try with less triangle (Vincent)
 - 1.3.1.2 Try triangulation in Maya (Vincent)
 - 1.3.2 FSM (JJ)
 - 1.3.3 Battle (Oz)
 - 1.3.3.1 Attack
 - 1.3.3.2 Change of HP
 - 1.3.3.3 Control
 - 1.3.4 Study game example (Oz, Kiron)
 - 1.4 GPU due late February
 - 1.4.1 Environment
 - 1.4.1.1 Snow
 - 1.4.1.2 Smoke
 - 1.4.1.3 Fireball
 - 1.4.1.4 Find relevant example
 - 1.5 Model due late February
 - 1.5.1 Fine tuning

V. Adjournment

Jerry adjourned the meeting at 1:30PM.

Minutes submitted by: Vincent

Minutes approved by: Kiron

11th Meeting Minutes

23rd February, 2009

I. Call to order

Oz called to order the regular meeting of the FYP at 1:00PM on 23/02/2009 in UST LG1 canteen.

II. Roll call

Vincent conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Jerry read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 To do (due on 28/02/2009)
 - 1.1 Modify font
 - 1.2 Create new HP bar
 - 1.3 Convert the main character to the actor in sample game
 - 1.4 Collision detection
 - 1.5 Head up display
 - 1.6 Enhance texture
 - 1.7 Build other scenes
 - 1.8 Improve the AI of monster and implement the monster into the new code

V. Adjournment

Jerry adjourned the meeting at 1:55PM.

Minutes submitted by: Vincent

Minutes approved by: Kiron

12th Meeting Minutes

27th February, 2009

I. Call to order

Kiron called to order the regular meeting of the FYP at 3:00PM on 23/02/2009 in UST cafe.

II. Roll call

Vincent conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Jerry read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 Decision
 - 1.1 Game Name: R.X.W.
 - 1.2 HUD design confirmed
 - 1.3 Robot don't have AI except following the player and flying
 - 1.4 Robot will be responsible for magic attacks only
 - 1.5 Name of the main character can be input by the player
 - 1.6 Charge to increase the power of the magic attacks

V. Adjournment

Jerry adjourned the meeting at 4:30PM.

Minutes submitted by: Kiron

13th Meeting Minutes

3rd March, 2009

I. Call to order

Kiron called to order the regular meeting of the FYP at 1:00PM on 23/02/2009 in UST cafe.

II. Roll call

Vincent conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Vincent read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 To-do
 - 1.1 Filter the items in SVN (Kiron)
 - 1.2 Update blog (Kiron)
 - 1.3 Make the main character's hands be vertical for testing (Kiron)
 - 1.4 Add id to the model in irrEdit (Vincent)
 - 1.5 Build the scene of the damaged village (Vincent)
 - 1.6 Control of HP(Jerry & Oz)
 - 1.7 Game control (Oz)
 - 1.8 Add monsters to new code (Jerry)
 - 1.9 Setup the display for pause menu
 - 1.10 Modification of sky box (Oz & Vincent)

V. Adjournment

Jerry adjourned the meeting at 1:50PM.

Minutes submitted by: Kiron

14th Meeting Minutes

16th March, 2009

I. Call to order

Kiron called to order the regular meeting of the FYP at 1:00PM on 16/03/2009 in UST LG1 canteen.

II. Roll call

Vincent conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Vincent read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- 1 To-do
 - 1.1 AI
 - 1.2 Shader
 - 1.3 Improve performance
 - 1.4 Animation
- 2 Target
 - 2.1 Before game start
 - 2.1.1 Startup screen
 - 2.1.2 Ask user to input character's name (optional)
 - 2.1.3 Fade in words for introduction
 - 2.1.4 Camera animation
 - 2.2 Game play
 - 2.2.1 Main character (need shader)
 - 2.2.1.1 Physical attack
 - 2.2.1.2 Defense (Ask the robot to defend)
 - 2.2.1.3 Animation
 - 2.2.1.3.1 Moving forward
 - 2.2.1.3.2Moving backward
 - 2.2.1.3.3Running
 - 2.2.1.3.4Attack
 - 2.2.1.3.5Defense
 - 2.2.1.3.6Dead
 - 2.2.2 Robot (need shader)
 - 2.2.2.1 Only flowing with random Y position offset
 - 2.2.2.2 Magical attack
 - 2.2.2.3 Charged attack will cost the same energy as normal

- 2.2.2.4 Provide defense for Main Character (presented by shader)
- 2.2.3 Monsters (need shader)
 - 2.2.3.1 Physical attack
 - 2.2.3.2 Magical attack (optional)
 - 2.2.3.3 HP bar
 - 2.2.3.4 AI
 - 2.2.3.5 Animation
 - 2.2.3.5.1 Attack
 - 2.2.3.5.1.1 Physical attack
 - 2.2.3.5.1.2 Magical attack (optional)
 - 2.2.3.5.2Dead
- 2.2.4 Item box
 - **2.2.4.1** Medicine
 - 2.2.4.2 Discs
 - 2.2.4.3 Important item for entering next stage
- 2.2.5 General
 - 2.2.5.1 Music
 - 2.2.5.1.1Background music
 - 2.2.5.1.2Sound effect
 - 2.2.5.2 Control
 - 2.2.5.2.1 Remain unchanged
 - 2.2.5.3 Attribute
 - 2.2.5.3.1 Battle system (formula)
 - 2.2.5.4 Conversation
 - 2.2.5.4.1 Information achieving
 - 2.2.5.4.2Items buying
 - 2.2.5.5 Mini Games
 - 2.2.5.5.1To get Important item
 - 2.2.5.5.2Mastermind
 - 2.2.5.5.3Riddle solving
 - 2.2.5.5.3.1 Need to find 3 pieces of specified items to enter the next stage
- 2.3 Game Over
 - 2.3.1 Player dead
 - 2.3.2 Finished the last scene
 - 2.3.2.1 Fade in words for description and "To Be Continued"

V. Adjournment

Jerry adjourned the meeting at 1:50PM.

Minutes submitted by: Kiron

15th Meeting Minutes

23rd March, 2009

I. Call to order

Kiron called to order the regular meeting of the FYP at 1:00PM on 23/03/2009 in UST LG1 canteen.

II. Roll call

Vincent conducted a roll call. The following persons were present: Kiron, Jerry, Oz and Vincent

III. Approval of minutes from last meeting

Vincent read the minutes from the last meeting. The minutes were approved as read.

IV. New business

- Working arrangement
 - 1.1 Start from 1/4/2009
 - 1.2 Venue: FYP Lab
 - 1.3 Time:
 - 1.3.1 Monday, Tuesday, Friday & Sunday
 - 1.3.1.1 10am 7pm
 - 1.3.2 Thursday
 - 1.3.2.1 Jerry day off until Oz no need to work
 - 1.3.3 Wednesday
 - 1.3.3.1 10am 9pm
- 2 Tasks for this week
 - 2.1 Improve performance (Vincent)
 - 2.2 Improve AI (Jerry)
 - 2.2.1 Increase detective range
 - 2.2.2 Make it to be able to find the path
 - 2.3 Animation (Kiron)
 - 2.3.1 Attack
 - 2.3.2 Dead
 - 2.4 Finalize model (Kiron)
 - 2.5 Solve shader problem (Oz)
- 3 Further work
 - 3.1 NPC conversation (Oz)
 - 3.2 Load scenes (Vincent & Oz)
 - 3.3 Manipulate HUD (Kiron)
 - 3.4 Player attribute & game system(calculations) (Jerry)

- 5 Final Report
 - 5.1 Contact Ted after 1/4
 - 5.2 Take a look at the Final Report guideline
- 6 Others
 - 6.1 Update Blog if have something to see
 - 6.2 Publish calendar

V. Adjournment

Jerry adjourned the meeting at 1:50PM.

Minutes submitted by: Kiron