Development of a Retirement/Financial Planning Game

in partnership with



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Background



- Prudential Significant International Financial Services Group.
 - Life Insurance
 - Pensions
 - Investments
 - Funds
- UK operations in Stirling, Reading and London
- IT department based in Reading
- Project was the result of suggestion box for staff

Project Aim



- To devise a game based around the concept of planning for retirement/financial planning.
- Target audience to be teens and early twenties.
- Goal of the game is for player to balance 'spending today' with 'saving for the future'.
- Game will be created for a mobile device and......

To Be FUN!!!

Approach and Technology



- Full project software engineering process
 - Requirement
 - Design
 - Implementation
 - Verification
 - Maintenance (?)
- Adopting an Agile methodology
 - Meeting with supervisor once a week
 - Meeting with the client once a fortnight for feedback.
- Platform Android (steep learning curve)

Basic game concept

Game concept:

- Based on strategic game design
- Considering time constraints using a simple card based concept.
- Inspiration being Heathstone, War Craft and Top Trumps.

• Game idea:

- Player presented with three choices.
- Selects two; priority one; priority 2. (e.g. go on holiday, invest money in ISA, have a big night out!)
- Each decision has a score associated with it for 'living for today' and 'living for the future' and risk value.
- Final score is an overall balance of these two scores.
- Crisis cards

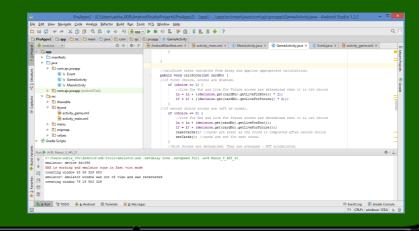
Progress...... Screenshot



- Split into classes
 - gameActivity
 - Event/decision
- Methods
 - setCards()
 - ClickListener()
 - setScores()
 - calcScores()
 - resetCards()

Challenges

- Firming up the Project Specification
- Game Design
- Android Studio
- Java



What I have gained so far....

- An understanding in building Android Apps
- Developing in Android using Android Studio
- Putting into practice knowledge learned
 - Java programming
 - Debugging
 - Object Oriented approaches
 - Software Engineering process
- Stack Overflow how to read it
- Confidence



Moving forward......

- Complete Coding
 - Introduce levels
 - Introduce Crisis Cards
 - Pull data from csv file
- Add/improve graphics
 - Add pictures
 - Possibly review game play (e.g. catch decision under pressure in a Tetris format).
- Usability and Functional Testing
- Write up

