ICONIX

Naughty Squirrels

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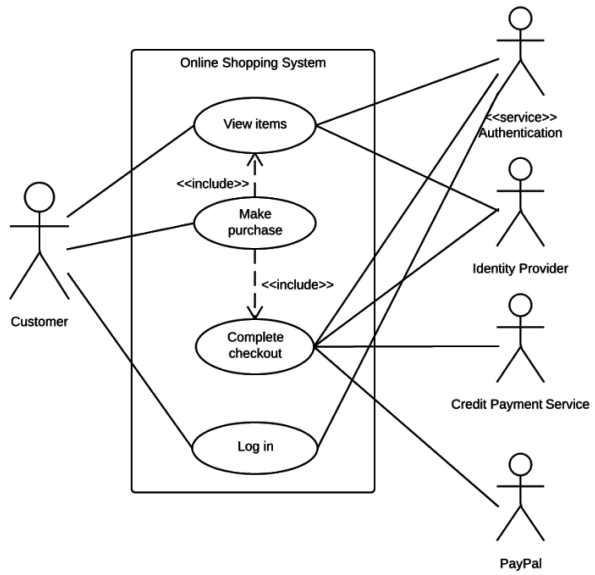
What is the purpose of ICONIX?

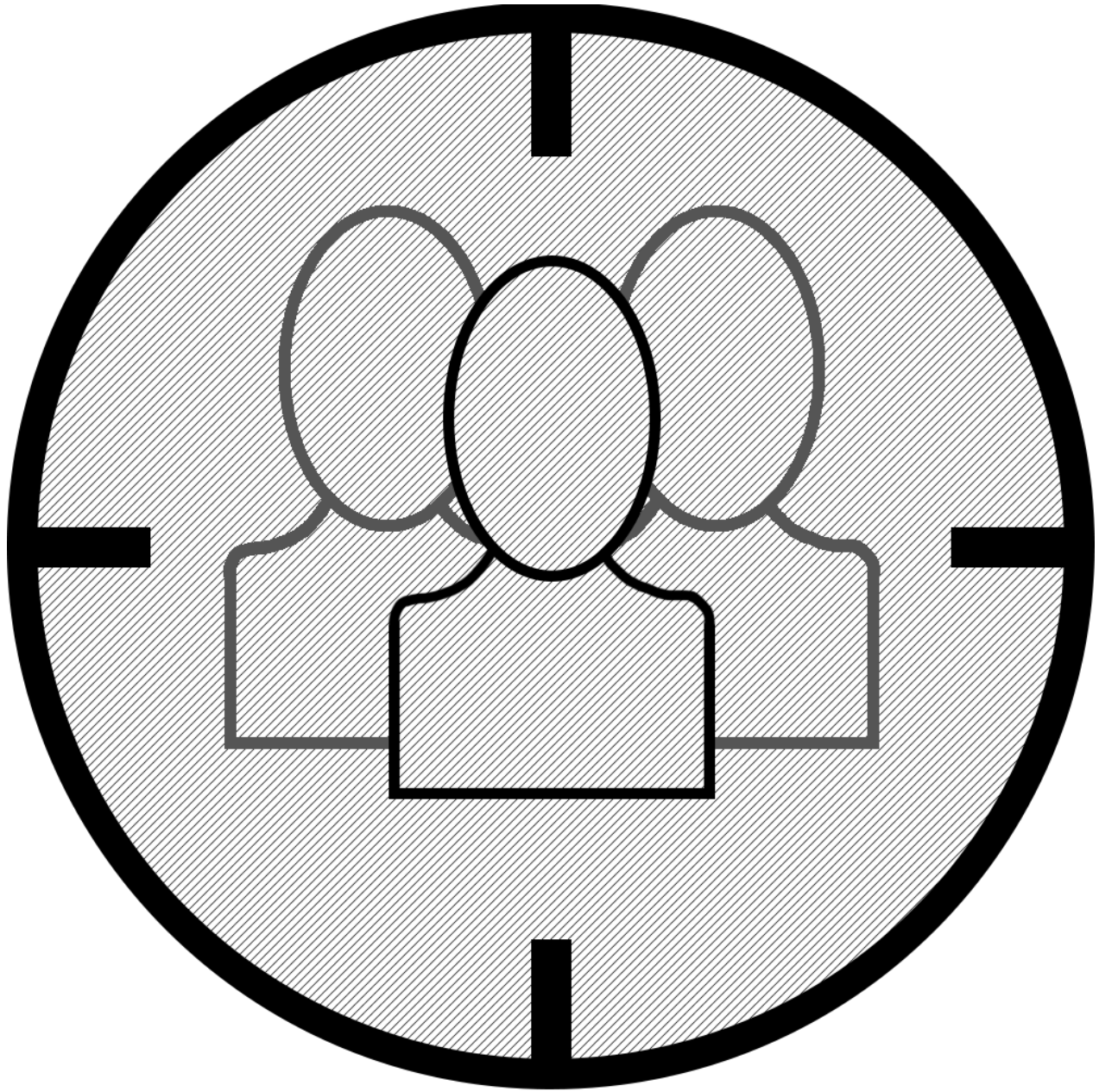
ICONIX Purpose




Analysis
Design

Benefits in change

- Adjustment
- Swift
- Impact



What are the ICONIX phases?

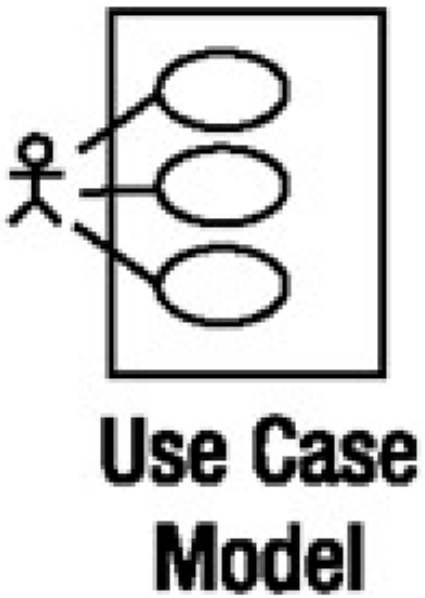
XAVIER

How the phases work with Agile sprints?

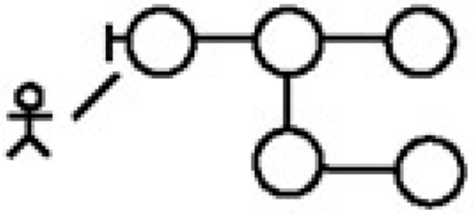
FIORI

- The ICONIX process helps reduce the amount of sprints by gathering the exact requirements from the start.

- This is done in the Use Case Model.

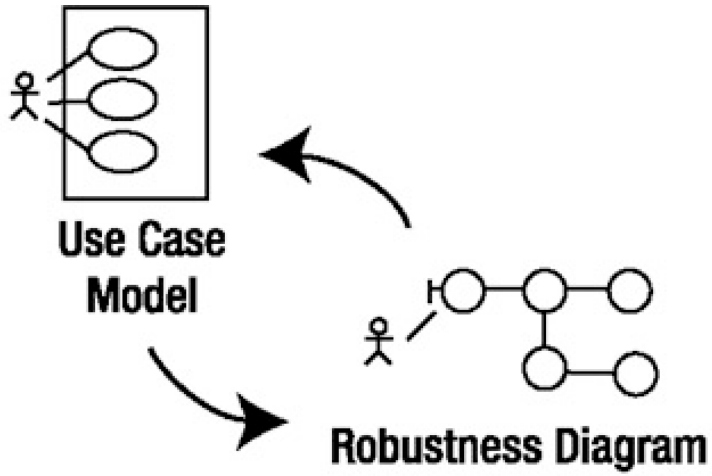


- The robustness analysis finds potential errors that were made in the case model, providing the developers something to show to the customer and verifying that the requirements which were set at the start of each iteration were correct, otherwise they can be corrected if they differ from the stakeholders vision.



Robustness Diagram

- If the requirements differ from the stakeholder vision a new iteration has to me made.



The goals of each phase and milestone requirements to proceed into the next

FIORI

How does ICONIX relate to Behaviour Driven Development?

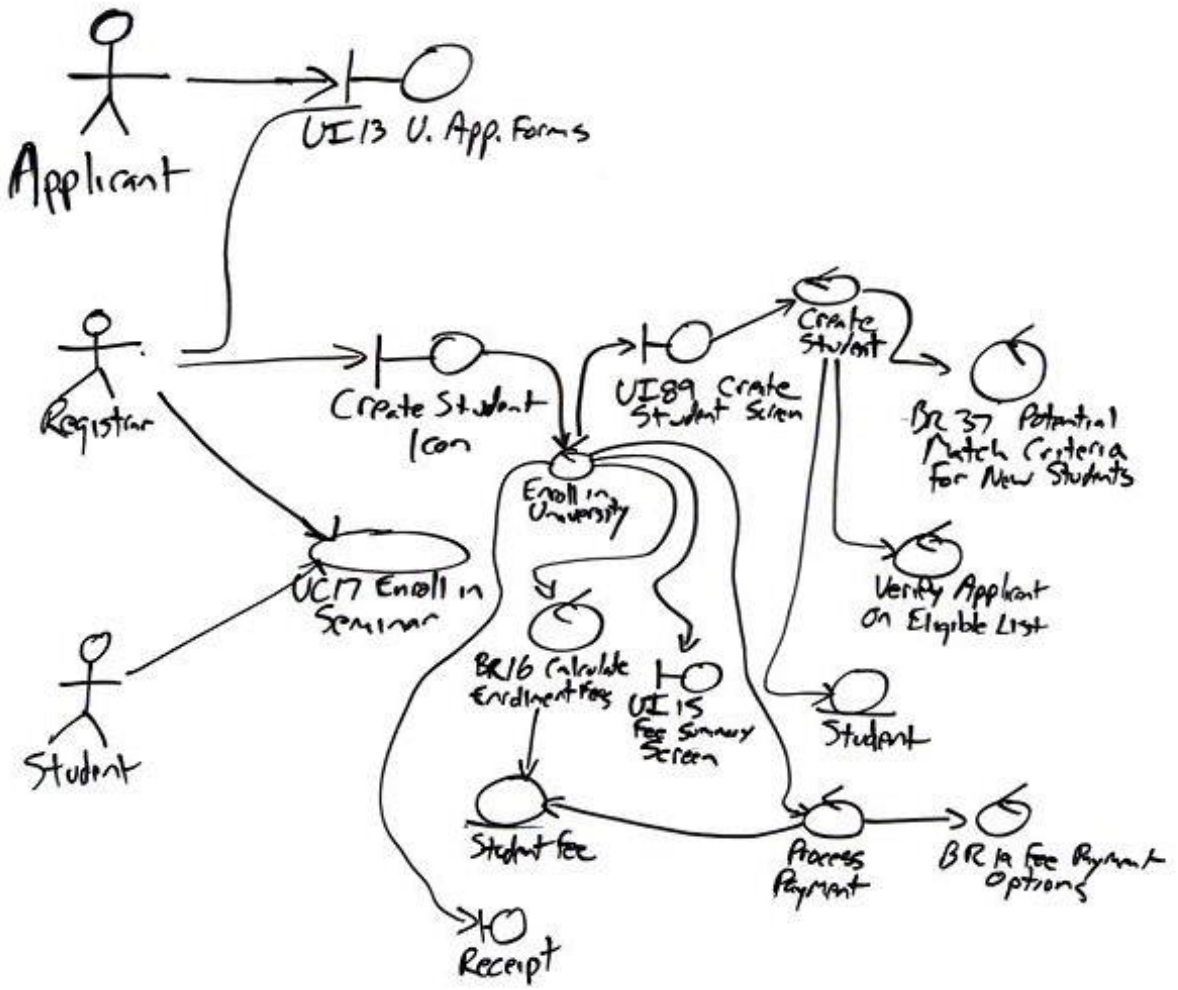
JAMES

Behaviour Driven Development

- Derived from Test-Driven Development
- Enables questions like
  - Where to start the process
  - What to test and not to test
  - What to call the test
- This allows much better communication with Stakeholders (clients, business executives & project members, etc.)
- Allows business-readable language to describe system behaviour without explaining how that behaviour is implemented

How does it relate to Iconix?

- Iconix is about understanding and documenting the user's behaviour requirements using analysis and using this to create clean object orientated system designs
- Iconix uses robustness analysis, which allows all parties to get a good understanding of the user's involvement from different perspectives
- Much like Behaviour Driven Development it ensures that all parties (software developers, project managers and other stakeholders) can easily see how the design fulfils their requirements and whether a re-design will be necessary with minimal design time.



Example Robustness Analysis Diagram

- The ICONIX Process is a minimalist one, it uses a multitude of case driven modelling processes that are well suited for agile Java development, these processes also use a core subset of UML diagrams. Since the process is a minimalist one, it works well together with test-driven development (TDD).
- The trick behind the ICONIX Process is about understand and documenting the user's behavior requirements, eliminating ambiguity and then using them to create a clean OO (object oriented) design. On top of that, the process also crosses the great gap between analysis and design. The back bone of the ICONIX Process is a technique called robustness analysis.

- TDD

- A tool that the ICONIX methodology would greatly benefit from, is HacknPlan. HacknPlan helps team to improve their chosen methodology since it has tools like a burndown charts, tasks, backlogs, Metrics and Design Models.