

Use Case Analysis

Christopher Carlisle

September 16, 2010

Overview

Key Ideas

Use Cases

Building Use Cases

* Conclusion

Key Ideas

Key Ideas

- * Use cases add detail to the requirements outlined in the requirement definition
- Systems analysts work with users to develop use cases
- Systems analysts develop process and data models later based on the use cases

Use Cases

Define: Use Cases

* Formal Definition

- Use cases are a method of describing and documenting complex processes using text
- Informal Definition
 - Use cases describe "who" can do "what" with the system in question

Elements of Use Cases

Basic Information

Name for the use case

•

Elements of Use Cases

Major Inputs and Outputs

* df

Elements of Use Cases

Major Inputs and Outputs

* df

| | | | 111.1 |
|-------------------------------------|----------------------------------|-------------------------------|--------------------------------------|
| Use case name: Patient make | es, changes, or cancels appointm | ent ID:2 | Importance level: High |
| Primary actor: Patient | sei al-activalies neclepua | R Standale Sand Ash West | erents denorqualioniesu |
| Short description: This use car | se describes how we make a new a | appointment as well as chang | ge or cancel an existing appointment |
| Trigger: Patient calls and asks | for a new appointment or asks to | o change or cancel an existin | g appointment |
| | issaecof timo are all ever | eg adt has alood sai. | |
| Type: External Tempora | I, is the to operation A | | |
| THE COURT CHANGE THE PARTY TO A CO. | as at sassanser size la | thought ad ma freet | |
| Major Inputs | | Major Outputs | |
| Description | Source | Description | Destination |
| Patient name & address | Patient | Patient status | Receptionist |
| Patient information | Patient records | Canceled appointment | Appointment calendar |
| Unpaid patient bills | Patient records | Potential appointments | Patient |
| Appointment type | Patient | New appointment | Appointment calendar |
| Existing appointment | Patient | Appointment confirmation | Patient |
| Existing appointment | Appointment calendar | washed wanted site. | |

Use Case Example

Information for Steps Major Steps Performed: 1. Patient contacts office regarding appointment Patient name & address 2. Patient provides Receptionist with name & address Patient record Receptionist validates that Patient exists in Patient Records If new patient, Receptionist performs New Patient use case Patient status 4. Receptionist checks for unpaid bills in Patient Records Unpaid patient bills If unpaid bills, transfer call to Business Office 5. Receptionist gets desired action from Patient-make new appointment, 4 Appointment type change or cancel existing appointment 5.1. For appointment cancellations or changes, Receptionist gets date & time Existing appointment date & time of existing appointment, finds appointment in appointment calendar, Canceled appointment and cancels it 5.2. For new appointment or appointment changes, Receptionist gets date & time 4 Desired appointment of desired appointment and provides Patient with potential appointment Open appointments dates & times until Patient tells Receptionist his/her appointment selection Potential appointments Selected appointment 6. Receptionist creates new appointment and provides appointment confirmation New appointment to Patient

Use Case Example (cont.)