Design the Backout Approach. Consider what would need to be done to undo any of the installation tasks you have identified. In particular, identify anything that would be complex or time-consuming to undo.

Example

This example shows an installation model for a rental-tracking system, based on the results of the activities just described.

Installation Groups

- *Windows Desktop Client*: contains all of the software in the `WINCLIENT` component. Installation shall be via InstallShield automatic installer, remotely executed via the management tool.
- *Database Schema*: contains all DBMS schema definitions and data abstraction stored procedures. To be packaged as simple SQL scripts and installed using a custom-written Perl script.
- *Web Interface*: contains the server-resident user interface components (the `WEBINTERFACE` component). Installation will be by manual administrative action, copying files into IIS directories according to written instructions.
- *Rental-Tracking Service*: contains the .NET assemblies that implement the services called by the Web and Windows interfaces (the `RENTALTRACKER` component). Installation will be by manual administrative action, copying files into IIS directories according to written instructions.
- *Reporting Engine*: contains the .NET assemblies that implement the summary reporting engine. Installation will be by manual administrative action, copying files into IIS directories according to written instructions.

Dependencies

- Windows Desktop Client, Web Interface, Rental-Tracking Service, and Reporting Engine depend on Database Schema.
- Windows Desktop Client and Web Interface depend on Rental-Tracking Service.
- Web Interface depends on Reporting Engine.

Constraints

- *Windows Desktop Client*: A restart of the client machine will be required during this installation process.

Backout Strategy

This is the first release of the software, so backout is reasonably straightforward and consists simply of uninstallation. For each installation group, the following action will be required.

- *Windows Desktop Client*: Run the installer with an `uninstall` flag.
- *Database Schema*: A custom Perl script will be supplied to remove all objects created during the installation.
- *Web Interface*: Manual administrative action will be required. The supplied instructions will list the files to be removed.
- *Rental-Tracking Service*: Manual administrative action will be required. The supplied instructions will list the files to be removed.