* Certifications
  + Everyone should attempt by next week
* Reports
  + Bucketing
    - Let you segment your report data on the fly by defining a set of categories or buckets
    - You can sort, group or filter the records
    - 5 bucket fields per report
    - 20 buckets per bucket field
    - 20 values per bucket
    - Essentially grouping that does not have to be a field on a record
  + Cross filters
    - Let you filter the parent records in a report by tier related child records using WITH or WITHOUT filters
  + Custom summary fields
    - Field that holds a formula based on the information in that record
    - Like a formula field but is not attached to that record
* Dashboards
  + Made of dashboard components
    - Takes a report and provides a visual aid to it
    - Combo of report and chart type
* Folders
  + What we use to control access and security to dashboards and reports
  + Levels of permissions
    - View
    - Edit
    - Manage
      * Can share and manage name and other permissions
  + Can create subfolders
    - Forms a folder hierarchy
* Review
  + Buckets are used to categorize records
  + Joined reports are used to see related data
* Deciding when declarative isn’t enough
  + Several limits to declarative development
  + Decision tree
    - Timeline

      Description automatically generated
    - Graphical user interface, application, table

      Description automatically generated
  + Programmatic tools
    - Validation rule
    - Process automation
    - Sharing/assignment rule
    - Standard controller
    - Standard web service
    - Etc
  + Lightning components
    - We will talk about more later
    - Can be aura or lightning
    - Lightning cannot contain aura
    - Application cannot contain another application
  + Visualforce is dated compared to modern web services
    - Client should hold as much info as possible