



RAPID DEVELOPMENT FOR SINGULAR PURPOSE MAC COMPUTING ENVIRONMENTS

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Hashtag : **#xw13**

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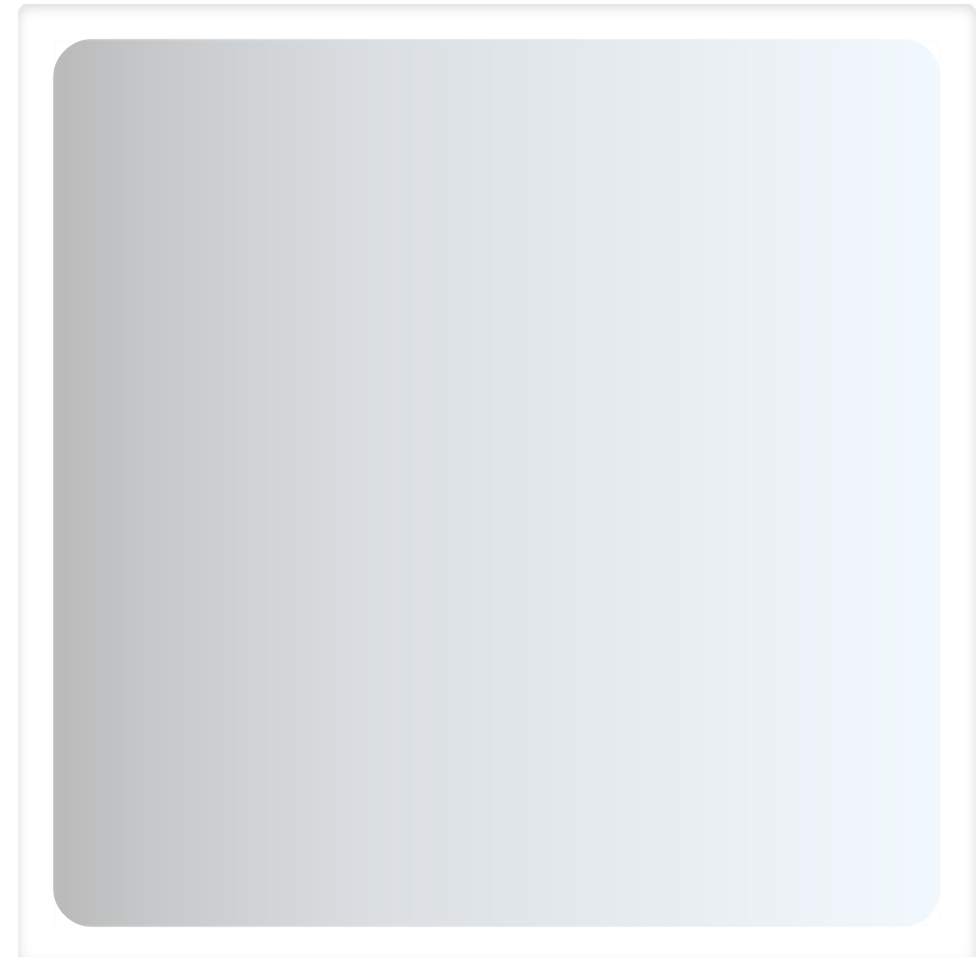
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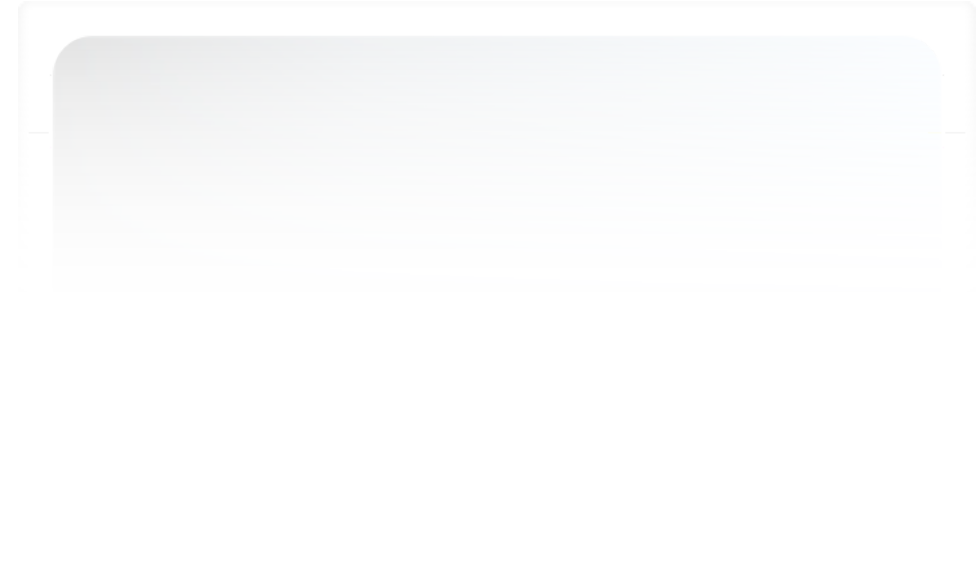
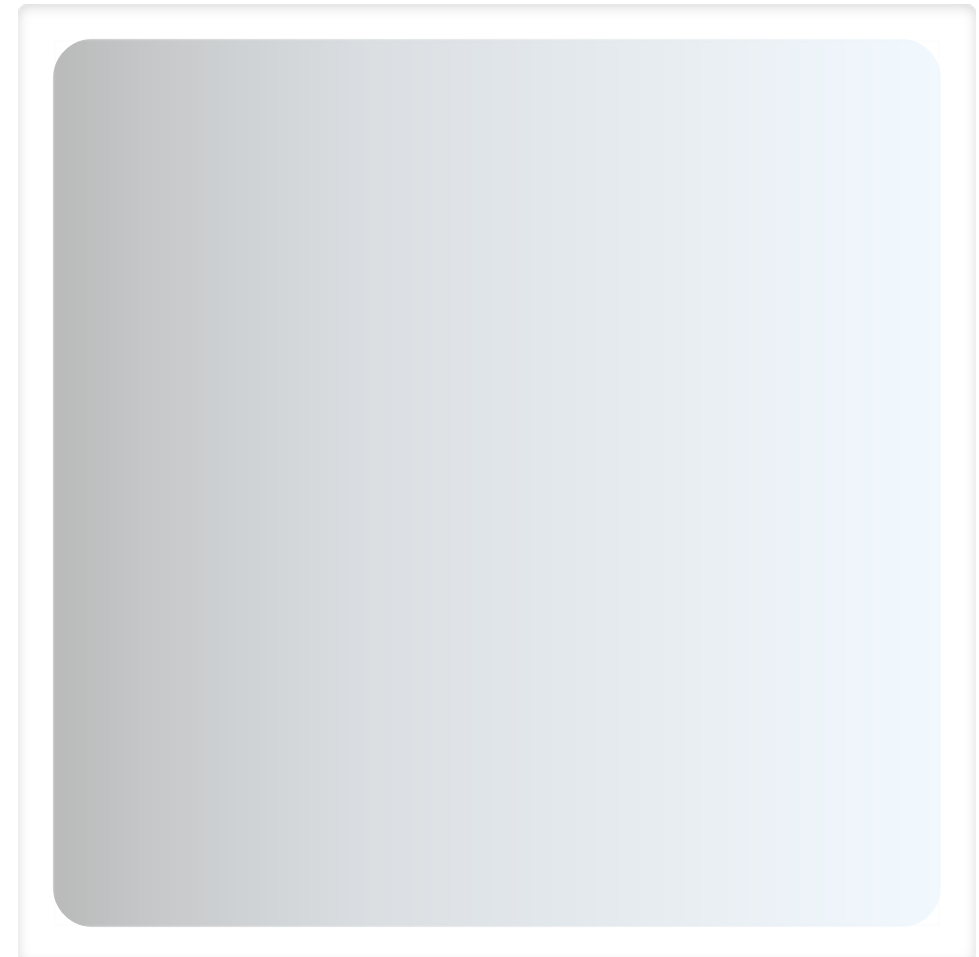


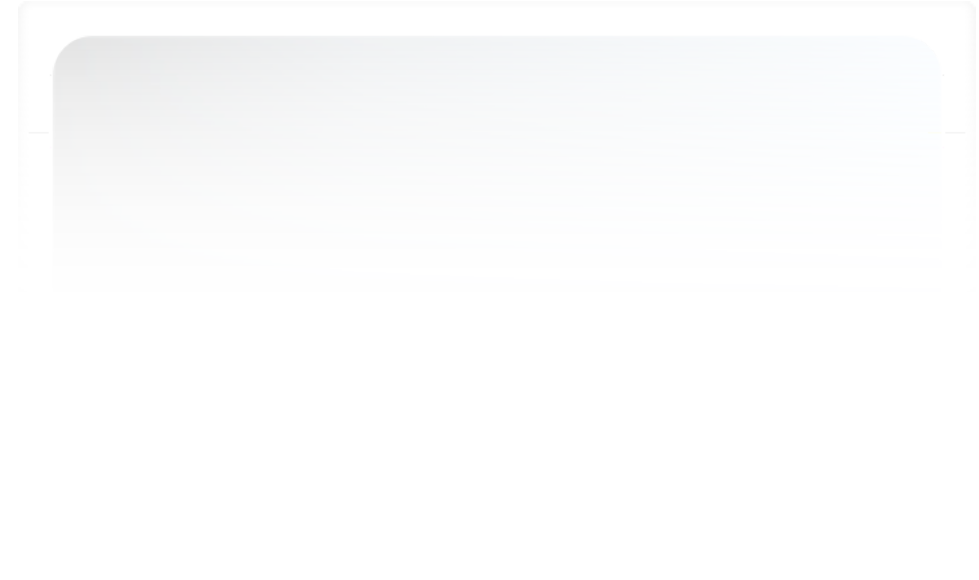
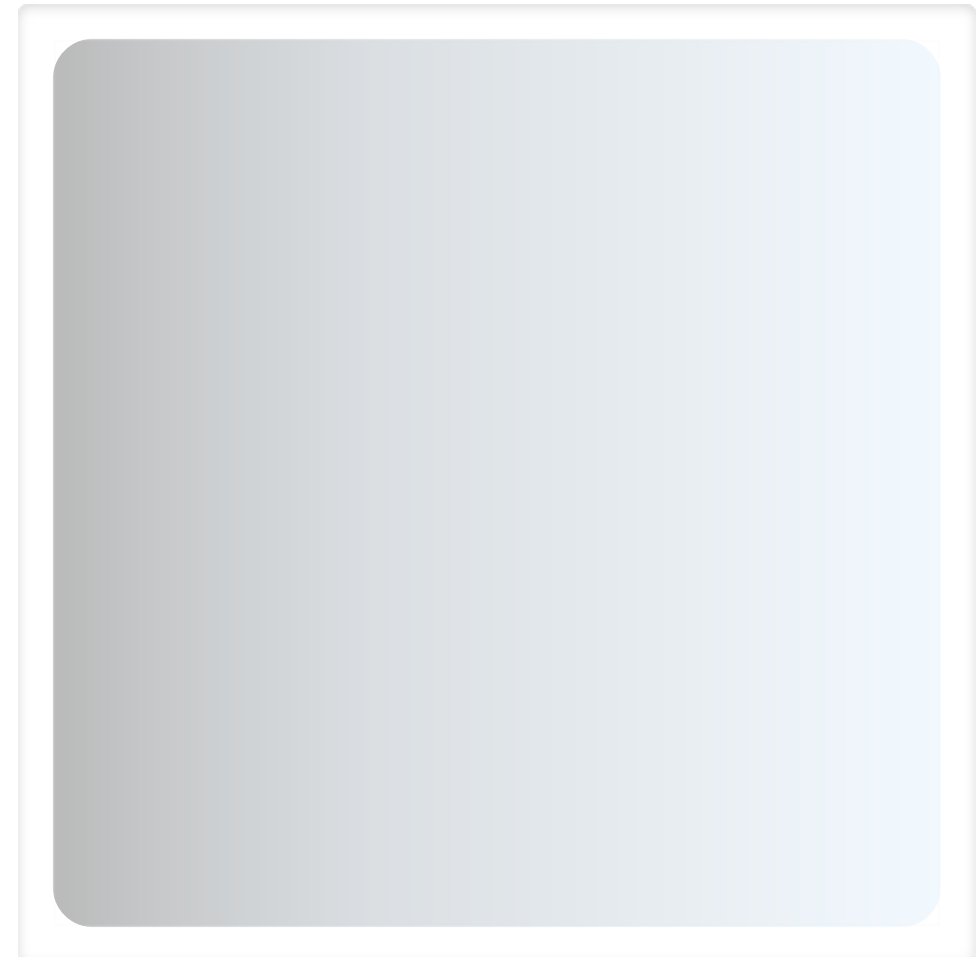


The Problem

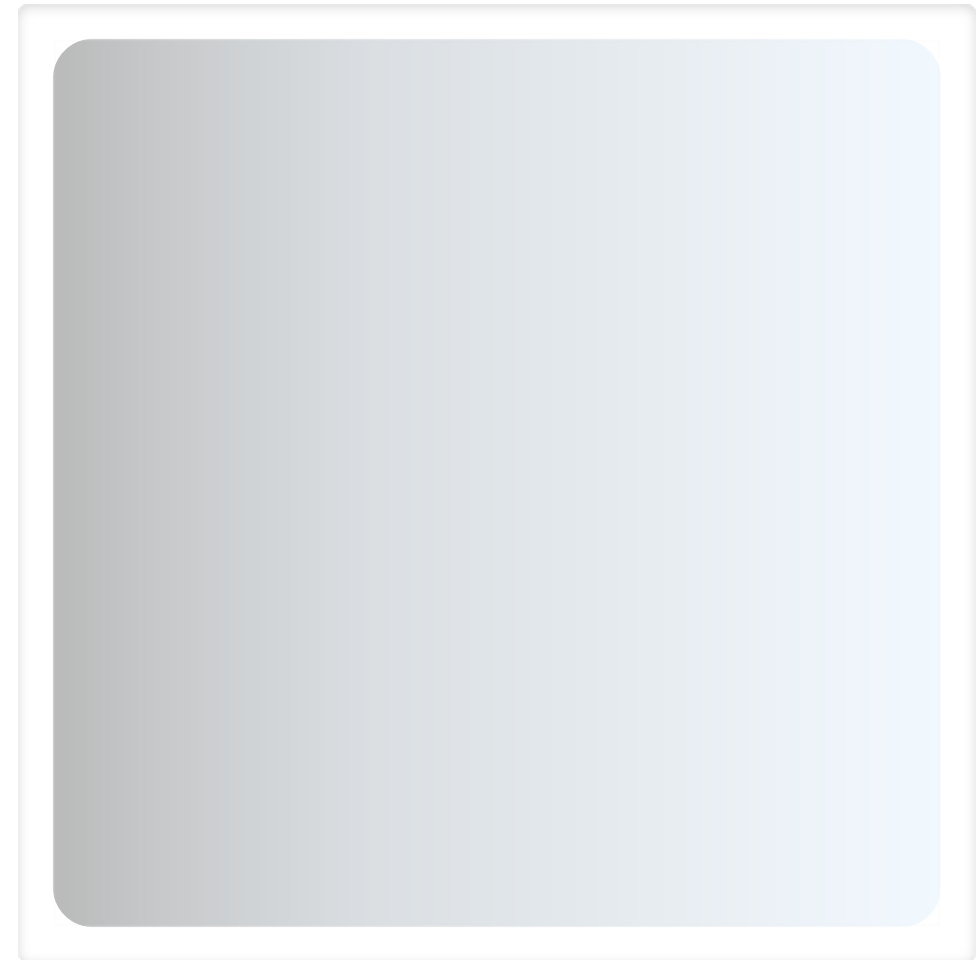
















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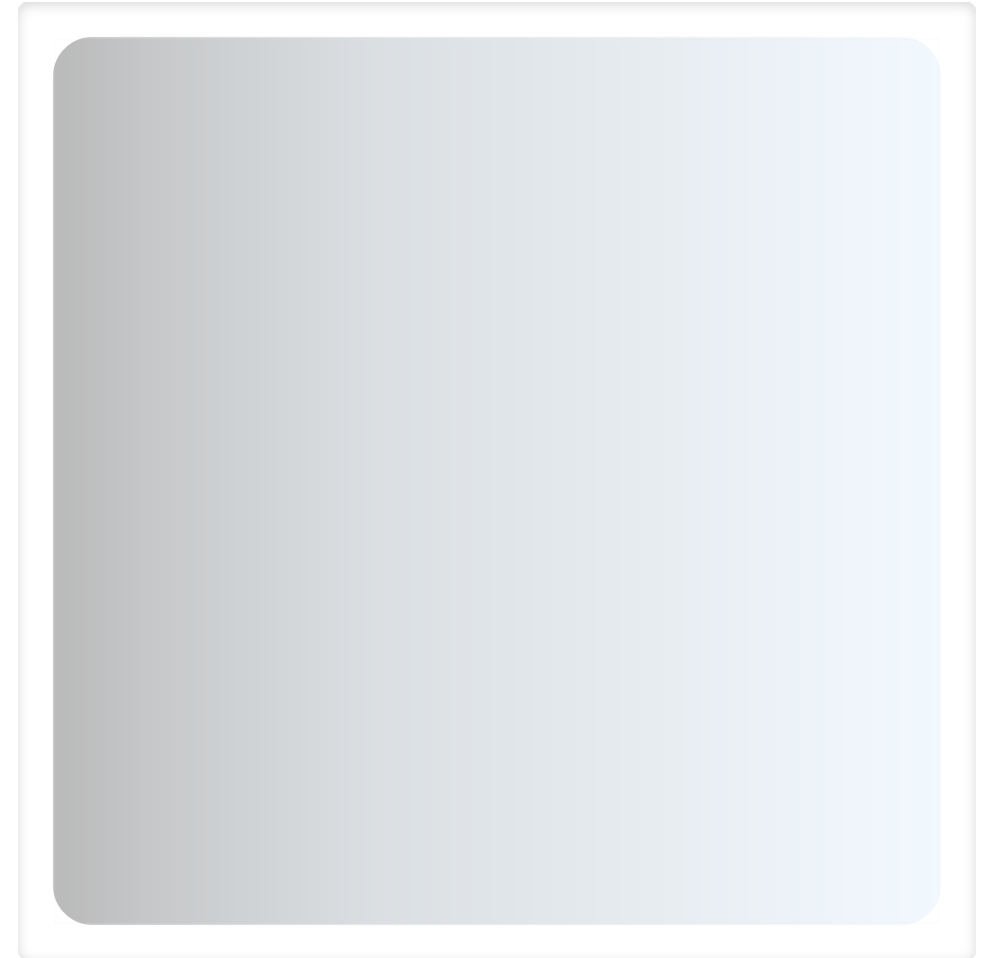


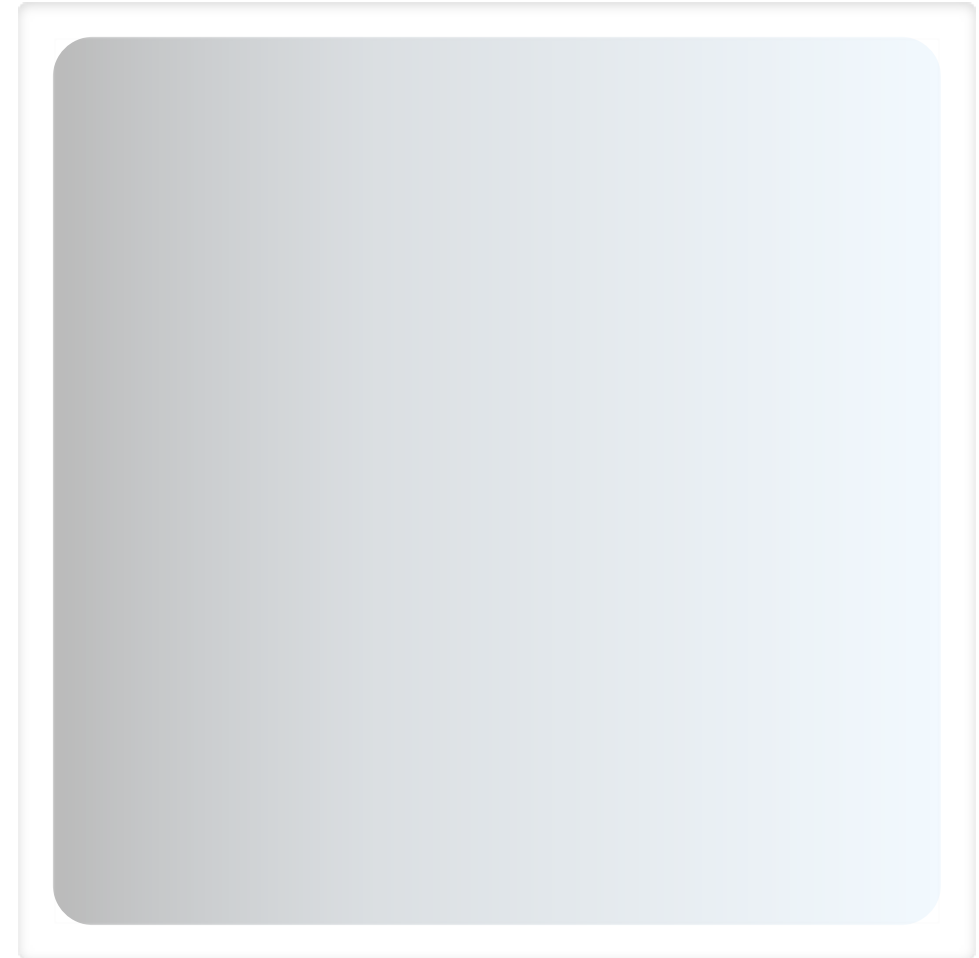
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Innovate



Singular-use Environments

- Fill gap in missing functionality
 - Calendar display
 - (automated) Resource booking system
 - Digital Feedback box
 - Print station

Assumptions

- Already have setup
 - Admin accounts
 - Software/Settings deployment
 - Network + Server infrastructure
 - Basic OS X knowledge

Generic Requirements

- Simple setup
- Autonomous (where required)
- Use of older machines
- Ability to build on current infrastructure
- Little maintenance
- Gap to fill

Movie Display - Requirements

- Client
 - Use current iMacs to play a variety of movies
 - Setup once, then no-touch



Movie Display



Movie Display





Movie Display - Design

Movie Display - Design

- Standard admin / deployment



Movie Display - Design

- Standard admin / deployment
- Auto-login

Movie Display - Design

- Standard admin / deployment
- Auto-login
- Auto movie-play

Movie Display - Design

- Standard admin / deployment
- Auto-login
- Auto movie-play
- Simple (individual) movie distribution

Movie Display - Design

- Standard admin / deployment
- Auto-login
- Auto movie-play
- Simple (individual) movie distribution
 - (file on the desktop)

Movie Display - Design

- Standard admin / deployment
- Auto-login
- Auto movie-play
- Simple (individual) movie distribution
 - (file on the desktop)
- Other settings (bluetooth, power, wifi)



Movie Display -activity 1

Exam - Requirements

- Client
 - Text editor style program
 - Difficult to cheat
 - Operated by examiners aged 60+
 - Printed output (of work)







Exam - design

- ‘generic’ client accounts
 - Secured - Using parental Controls
 - Backed-up - Logout Script
 - Simplicity - Bare minimum apps
- System
 - Firewall



Exam Image -activity 2

PhotoBooth & Display Requirements

- Client
 - Easy and Fun to use
 - Ability to view images taken
- Admin
 - Quick and Simple setup



Photo - design

- 2+ machines
 - 1 as the Photo Booth
 - 1 as the Photo Display
- Auto login / setup
- use IR remotes (for control)
- image transfer and backup



Photos -activity 3

Final

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