

A decorative graphic on the left side of the slide, consisting of a network of light blue lines and small circles, resembling a circuit board or a stylized tree structure, extending from the top to the bottom.

WALKTHROUGH

GROUP 0626

UNIT TEST COVERAGE

The background is a blue gradient with decorative circuit-like lines in white and light blue. These lines, consisting of straight segments and small circles, are positioned along the left and right edges of the slide.

IMPORTANT CLASSES

- Session: current user information
- Saver: load & save files
- ScoreManager: record user score and top ten scores
- BoardManager/SkyManger: manages the general game
- Game Activity Controller: control how a game is been played

DESIGN PATTERNS

- MVC: Login and all three games, helps to conduct Single Responsibility Principle
- Singleton: Session class, allows us to access the one and only user
- Observer/Observable: facilitate MVC, update changes accordingly

SCOREBOARD DESIGN

- High scores: stored as `HashMap<String, ArrayList>`

String – Game Type, `ArrayList<ScoreTuple>`

Score Tuple – User Name, Score, Game Type

- Display: (Username, Score, Game Type)