

## **Video Game Design Foundations ©2014**

### **Chapter 1: My Role on the Team—Glossary**

**Active listening skill.** Allows the person speaking to know that they have been understood.

**Active sounds.** Sound linked to an action.

**Aesthetic competence.** Ability to determine what is pleasing to the eye.

**Ambient sounds.** Sounds not related to the game action.

**Application (app).** Program for handheld devices and cell phones.

**Art designer.** Creates the visual elements and assets of the game.

**Asset.** Characters, objects, sounds, and visual elements of the game.

**Audio engineer.** Creates all sound assets.

**Background music.** Melody that sets the mood of the level.

**Backstory.** History of why and how the protagonist or main player is in the game situation.

**Cheat codes.** Programmed shortcuts and ability codes that make the job of the game tester easier.

**Cinematic cut scene.** Movie-like segment of a game that does not require the player to interact with any game element.

**Compromise.** Win-win situation when everyone gets some of what they want, but maybe not all of what they want.

**Constructive criticism.** Provides possible improvements or solutions in a positive manner.

**Core mechanics.** Programming within the game engine to enforce the rules and the system-shall commands.

**Creative director.** Sets the vision and direction, selects personnel, assigns job roles, and communicates between management and the design team.

**Dependability.** Ability to be relied upon and trusted.

**Design documents.** Standardized documents used by a design team to record all decisions and the vision of the game.

**Dialogue.** What characters say.

**Division of labor.** Each team member does the job that they can do the best and is assigned jobs that favor their strengths.

**Dynamic.** How the strengths and weaknesses of each team member work together to create a balanced team.

**Ergonomics.** Study of how the body works and how humans interact with tools and environments.

**Game build.** All effort needed to construct a game from concept to finished product.

**Game designer.** Establishes the rules of the game, finalizes the design documents, and ensures the game will work as envisioned.

**Game engine.** The programming platform used to create and run a game.

**Game tester.** Person who tests every part of the game for proper operation.

**Game world.** Setting in which gameplay takes place.

**Game writer.** Creates character depth and interaction.

**Gantt chart.** Displays the timeline for completion for each task needed by each department and employee.

**Geometry.** Field of math dealing with shapes.

**Glitch.** Programming error within a game.

**Hard skills.** Technical requirements for a job obtained through training and research.

**Hierarchy.** Structural organization of a company to streamline decision making.

**Imagination.** Creating a picture in your mind of something that does not exist.

**Immersion.** Degree to which a player connects to the game world.

**Immersion strategies.** Game elements that connect the player to the action in the game world.

**Indie developer.** Independent game makers and independent, non-mainstream firms.

**Initiative.** Taking on additional responsibilities without being asked.

**Interdisciplinary team.** Composed of many members with different hard skill strengths working toward the same goal.

**Internal producer (IP).** Responsible for ensuring the design objectives required by the production group are achieved by the design group.

**Lead artist.** Manages the art designer and the workflow needed to create all game assets.

**Lead designer.** Day-to-day leader of the design team.

**Level designer.** Interprets the design documents to create a game world and interactions for a single game level.

**Listening skills.** Understanding the points and opinions spoken by others.

**Model.** Three-dimensional asset.

**Narrative writing.** Creating a story.

**Outside producer (OP).** Responsible for making game discs and packaging.

**Over budget.** Spending more money than has been allocated for a project.

**Physics.** Science of matter and energy.

**Physics engine.** Uses mathematical formulas to create rules for movement, gravity, speed, flight, path of a projectile, and other game movements.

**Positive attitude.** Outlook on a situation that emphasizes an upbeat outcome.

**Probability.** Math dealing with random numbers and possible outcomes.

**Professional dress.** Clothing appropriate for the workplace or events.

**Project manager.** Coordinates all lead managers and ensures all project components are on task and well-managed.

**Punctuality.** Being on time.

**Quality assurance (QA) tester.** Game tester; tests every part of the game for proper operation and reports bugs for repair.

**Research.** Process of looking for and finding information.

**Respect for others.** Belief that the opinions and views of others are important.

**Respect for self.** Belief that you are important.

**Responsibility.** Ability to make sure an assigned task is successfully completed.

**RPG.** Role playing game; player takes on the role of the questing hero.

**Scrum methodology.** Tasks are assigned to small teams whereby all team members work toward the same goal.

**Soft skills.** Personal qualities and behaviors that help create better personal and interpersonal relationships.

**Specialist.** Possesses strong hard skill attributes and unique strengths, often achieved through special training.

**Spreadsheets.** Organization of numbers and data in tables or charts; often computerized.

**Sprite.** Two-dimensional asset.

**Storyboard.** Sketch of the important game frames with general ideas for motion, traps, and rewards.

**Technical writing.** Creating documents that give directions for the steps and processes needed in design.

**Technology competence.** Ability to understand and use the current computer/game platforms and programming/script languages.

**Trigonometry.** Field of math dealing with angles and curves.

**User interface (UI).** Controls used by the player to interact within the game.

**User interface designer.** Creates the controls used by the player to interact with the game.

**Video game.** Electronic software product that has all the elements of a game; played by combining a computer-generated game environment with a video graphic display and a user interface.

**Video game designer.** Possesses a set of physical and mental skills needed to complete design tasks.

**Virtual world.** Imaginary world created by a video game.

**Voice-overs.** Spoken words used for dialogue and narration during the game.

**Win-win solution.** Compromise or decision where both parties win.