

Group 2 Project Plan, Part I

Project Scope

The scope of this project will include the creation of a desktop version of Baker's Dozen solitaire game along with all necessary project management documentation.

Application Description

The game application will feature a playable version of solitaire using the Baker's Dozen rules. The game will consist of a deck of 52 playing cards (jokers removed) and a game board. The game board will consist of four Foundation areas where the user may place cards as well as a Tableau area consisting of thirteen card piles. The game will only allow the user to make moves that are within the parameters of the game. The game will also have simple and clear graphical elements.

Game features will allow the deck to be shuffled and individual cards to be moved between the different card areas. Additional features such as a move counter, a timer, an undo move button, or a restart current game button may be added to the game as project scheduling allows. Other advanced features such as multiplayer or online leaderboards are outside of the scope of this project.

Project Documentation

Deliverables in this project will be submitted in four main areas:

1. Project Planning – Includes this document, the Project Schedule document, and a Software Test Plan document.
2. Requirements - Consists of use cases, a Requirements Specification document, and application prototype.
3. System Design Documents – Includes high-level design information, conceptual system design information, and technical design information.
4. Additional Documents – Consists of a Test Specification document, team time sheets, and meeting minutes.

Team Organization

The project team will use a waterfall process (see figure 1). This is practical as this project will only see one release and has a well-defined end goal that should not require multiple iterations to meet.

Additionally, waterfall's ridged structure is suited for a project with no end users or clients to interact with regularly as they could cause changes in requirements during development. This document serves as the first step in the planning stage of the waterfall model. The team will distribute actual work as evenly as possible. Team members will all participate in the creation of project documents as well as the actual programming and testing of the application to some capacity.

Primary Team Responsibilities

Allen

Defining and recording use cases

Exley

Project documentation and scheduling

Farah

Prototyping and demonstration

Goff

Technical documentation

Kershaw

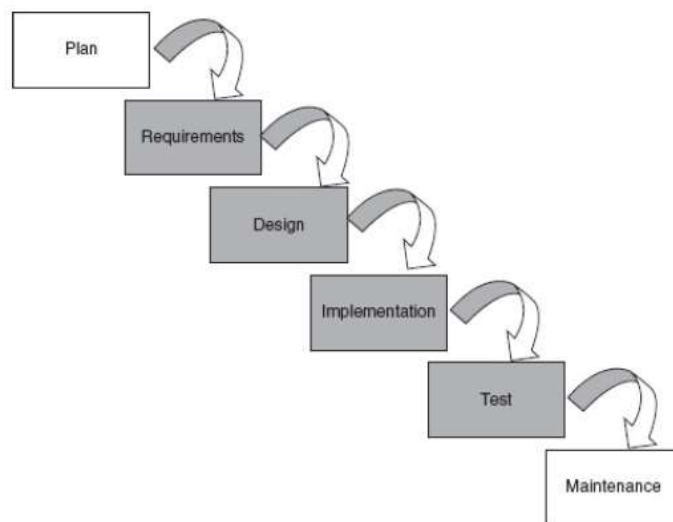
Product requirements

Lysaght

Product testing and QA

For additional team member information, see the Appendix for team member resumes.

Figure 1.



Waterfall Process Model

Data Management Plan

Data for this project will be housed using GitHub. Managing the data in this way will afford the team four main benefits:

1. Ensure that all data is backed up to an off-site location.
2. Ensure that all data is accessible by the team at any time.
3. Allow for all changes to documents to be recorded.
4. Allow any changes to be rolled back.

All members of the team will be granted “collaborator” status on the repository. This will prevent any one person or subset of the team from becoming the bottleneck for project changes. Any time that a change needs to be made to a document any team member can make the change without further input from the team. All documents are readily available for revision for each team member. GitHub’s archiving and recordkeeping tools mentioned above will offer visibility into each change that has been made as well as the ability to “un-do” changes.

Appendix – Team Resumes

See following pages.



TA

TY ALLEN

**SHIFT SUPERVISOR | INTERESTED IN ENTERING
A COMPUTER-RELATED POSITION**

OBJECTIVE

Utilize my fast learning and leadership skills to join and contribute to a software development team.

Expand my knowledge of computers and software engineering by surrounding myself with learning experiences related to software.

SKILLS

- Problem Solving
- Team Communication
- Fast Learner
- Managing a team
- People-person

EXPERIENCE

BARISTA • STARBUCKS • 5/31/16 TO 4/23/17

- Improved ability to form personal connections with coworkers & customers
- Barista Trainer – responsible for training new employees
- Voted Partner of the Quarter by coworkers

SHIFT SUPERVISOR • STARBUCKS • 4/24/17 TO NOW

- Led a team of anywhere from 3 to 8 people at a time
- Effectively solved complex problems on the fly
- Balanced task and customer-oriented goals within team
- Established a loyal customer base over multiple years

EDUCATION

HIGH SCHOOL • 2016 • FAITH ACADEMY

GPA: 3.9

Cross-country Jr. Varsity

COMPUTER SCIENCE • KENNESAW STATE UNIVERSITY

Expected Graduation: 2022

Current GPA: 4.0

TEAM EXPERIENCE OR LEADERSHIP

- Competed for money in online gaming tournaments with a 4-person team + traveled to LAN tournaments as a team
- Years of delegation, planning, and motivational management
- Complement my team's skills with my strengths



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ED EXLEY

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EXPERIENCE

- | | |
|----------------|---|
| 2018 – Present | <p>Product Owner, <i>AutomatedLogic</i>, Kennesaw, GA</p> <ul style="list-style-type: none">• Overseeing new product development including planning, coordinating development efforts with various R&D teams, and collecting customer feedback• Strategizing complete product lifecycle for organization's mobile platforms |
| 2015 – 2018 | <p>Technical Support Engineer, <i>AutomatedLogic</i>, Kennesaw, GA</p> <ul style="list-style-type: none">• Providing support for AutomatedLogic and OEMCtrl hardware and software products• Overseeing field trials for new products |
| 2012 - 2015 | <p>Digital Controls Technician, <i>Georgia State University</i>, Atlanta, GA</p> <ul style="list-style-type: none">• Designing, installing, maintaining, and troubleshooting building graphics, programming, and networking for complex control systems• Maintaining HVAC systems for University vivarium and biosafety level 3 labs |
| 2008 – 2012 | <p>Electrician, <i>Georgia State University</i>, Atlanta, Ga</p> <ul style="list-style-type: none">• Designing, installing, maintaining, and troubleshooting commercial electrical systems• Operating chillers and boilers |

SKILLS

- Superior knowledge of the BACnet automation protocol
- Experience managing large development efforts including embedded systems and mobile applications
- Excellent knowledge of commercial building HVAC systems including chillers, boilers, and air handling systems
- Experience with automation products from various manufacturers including AutomatedLogic, Siemens, and Johnson Controls
- Functional knowledge of programming languages including Java and Python
- Knowledge of Windows and Linux operating systems




EDUCATION & TRAINING

- Kennesaw State University, Kennesaw, GA
- candidate for Bachelor of Science in Software Engineering
 - 3.84 GPA
 - In Progress; Part-Time. Expected graduation August 2023
- Associate level practitioner of United Technologies ACE quality program
- Certified Scrum Product Owner by the Scrum Alliance

PROJECTS

- HVAC mechanical and controls upgrade for AutomatedLogic world headquarters building
- Pneumatic to DDC conversion at Georgia State University
- 2017 BACnet Plugfest interoperability conference

Mahad Farah

Jonesboro, GA 
(678)525-0803 
mfarah@students.kennesaw.edu 

An ambitious student seeking to secure a position as software engineer at an organization that will utilize my skills in Computer Science to benefit the company.

Skills

- Java, C#/C++, and Python
- Microsoft Word, PowerPoint, and Excel
- Experience with computer hardware assembly and maintenance
- Adaptability and Problem-solving
- Leadership
- Communication and Teamwork

Experience

MAY 2019 – PRESENT

Teachers Assistant / Physics Department, Kennesaw State University

- Arranged physics I and physics II labs, as well as guided students who needed assistance during the labs

JUNE 2017 – NOVEMBER 2018

Director's Assistant / Kids' First Choice Learning Center, Union City, Georgia

- Managed computer records including menus for the month, attendance, and business purchase records

Education

EXPECTED GRADUATION – MAY 2021

3rd year / Kennesaw State University

- Currently averaging 3.68 GPA in computer science degree program
- Received merit-based scholarships including Zell Miller Scholarship

MAY 2017

Diploma / Mount Zion High School, Jonesboro, Georgia

- Graduated Salutatorian of my class with a 4.1 GPA
- Competed as Co-Captain of Varsity Math Team

Activities

VEX Robotics Competition Team

October 2018 – Present

- Assisted in building and coding robots to compete in various tasks of the VEX Robotics Competition

National Society of Collegiate Scholars

September 2019 – Present

Caleb Goff

Objective

Looking for a position on a software engineering team to help design and create projects.

Education

Kennesaw State University | Junior

- Applied Computer Science
- Expected Graduation 2021
- Took classes that involved using SQL, Java, Python, C#, and the Android Studio IDE.

Cambridge High School 2017

- Milton, Georgia
- AP Computer Science

Experience

- Experience in developing software in Java, C#, Python, and have 1 month of experience from my SWE 3133 class(Software Engineering Class).
-

Joshua Kershaw

2550 Akers Mill Road SE Apt S08

Atlanta, GA, 30339

678-836-3418

Joshkershaw0@gmail.com

Manager with 6 years of experience of providing rapid and excellent customer service. Possesses an A.A. in Computer Science and expertise in the Windows operating system and 5 different computer coding languages. Looking to gain experience and knowledge in my field of studies.

Experience

D&D Energy

Decal Graphic Designer/Labor Worker

Peachtree City, GA

June 2013 – March 2016

- Applied modification and installation of vinyl decals and signs
- Operated pressure washer, paint sprayer, and lifting platforms
- Wired fuse boxes and light fixtures on gas station canopies

Moe's Southwest Grill

Manager

McDonough/Cumberland, GA

November 2013 – Present

- Trained several employees to perform their position's tasks correctly and to abide by the company's policies
- Recorded and transcribed the store's daily income to ensure precise financial records
- Managed and recorded the quality of ingredients and quantity of supplies and produce
- Managed online orders through multiple apps
- Troubleshooted business's firewall system, saving the business from losing \$10,000 worth of paused transactions

Education

Gordon State College

Associates of Arts in Computer Science, May 2018

Barnesville, GA

Kennesaw State University

Expected Graduation

Kennesaw, GA

Additional Skills

- Built, repaired, and troubleshooted 30+ computers ranging from causal to enthusiast level
- Aptitude to maneuvering through Windows operating system
- Ability to code in C++ and Java including sublanguages such as: SQL, VHDL and Assembly languages
- Tech savvy

Camden A. Lysaght
5036 Gardenia Cir.
Marietta, GA 30068
678-294-9489
Lysaghtc@gmail.com
D.O.B. July 30, 1999

Work history

- Continuity Engine Inc. June 2017 - Current.
 - Part time as a product Intern. Continuity is a banking compliance software company. Most of my work involves editing product Info either in google spreadsheets or within their platform. The position also involves light JavaScript work and doing product QA.
- Sugar Benders Bakery in East Cobb at Paper Mill Shopping center. July 2015 - July 2018.
 - I worked part time as a cashier and short order cook (breakfast food and lunch sandwiches). Primarily this job consisted of customer service - taking orders, delivering cakes, preparing food, and cleaning.
- The Old Harbor Bike Shop on Block Island, Rhode Island. I found and held this job while on vacation for 4 weeks (summer 2015).
 - 40 + hours a week. The job consisted of selling people on bike and moped rentals

Education

- Graduated George Walton High School in 2018.
- Currently attending Kennesaw State University at the Marietta Campus for a bachelors in Computer Science. Expected graduation spring 2022.

References

- Pam Perdue - Chief Regulatory Officer at Continuity - pperdue@continuity.net, 619-822-0470
- Veronica Hall - Owner of Sugar Benders Bakery- info@sugarbendersbakery.com

Skills

- Java, C#, Javascript, CSS, HTML, Appscript (google sheets function language), proficient in google sheets and excel, SQL, Microsoft Access
- Have used Slack, Podio, Pendo, Salesforce