**CHAPTER 1**

1. **COURSE DESCRIPTION**
   1. **INTRODUCTION OF THE INTERNSHIP**

About the Department –K-AKA Technology Services provided an internship in the department of software development, and I have undergone the internship as Learning and designing the software. The objective was to derive multiple logic for the typical real-time challenges faced every day by a Software Engineer.

* + 1. Software Development Department

The software development Process organizes practical procedures and approaches in application development. K-AKA Technology Service wants to streamline their internal departments and functions, operations, sale and project management, etc. and want to take the advantage of a web-based application, flexibility by moving away from the traditional desktop application platform to the web application platform and want to gain more client for better services their current clients offering convenient services and solutions online to build a new web application to offer innovative services or solutions to online user and business.

* + 1. Duties

**Software Developers typically do the following –**

* Explore fundamental issues in computing and develop theories and models to address those issues.
* Help scientists and engineers solve complex computing problems.
* Invent new computing languages, tools, and methods to improve how people work with computers.
* Develop and improve the software systems that form the basis of the modern computing experience.
* Design experiments to test the operation of these software systems.
* Analyze the results of their experiments.
* Publish their findings in academic journals.
  1. OBJECTIVE OF THE INTERNSHIP

**The following figure and list of procedures and documents provide a good outline for Lifecycle and Process –**

A diagram of process structure

Description automatically generated

**Fig 1.** Process Structure

1. Challenging Problem – Software Developers improve computer algorithms, which are sets of instructions that tell a computer what to do. Some computer tasks are very difficult and require complex algorithms. They try to simplify these algorithms to make computer systems as efficient as possible. These algorithms allow advancements in many types of technology, such as machine learning systems and cloud computing.
2. In-depth Theory Session and Deriving Multiple Logics – The work often leads to technological advancements and efficiencies, such as better networking technology, faster computing speeds, and improved information security, and deriving multiple logic for the given problem statement. In general, computer and information research scientists work on a more theoretical level than do other computer professionals.
3. Hands-On Practical Implementation – Computer and information research scientists design new programming languages that are used to write software. The new languages make software writing more efficient by improving an existing language, such as Java, or by making a specific aspect of programming, such as image processing, easier.
4. Project Work Review – A Project Work Review is an exercise undertaken at the end of each Project Phase to identify the current status of the project. The Project Review identifies the deliverables which have been produced to date and determine whether or not the project has met the objectives set.

1. Presentation and Project Release – The term release is used to define when a project deliverable is complete and ready for delivery to the project customer, either internally (to manufacturing or operations, for example) or to an external company or individual.

* 1. **Software Development Process**

**The following list of the procedures and documents provide a good outline for the software development and process –**

* Roadmap document – Defining Application, Process, Goal, and Direction.
* Researching and Defining Audience Scope and Security Documents.
* Creating Functional Specification or Feature Summary Documents.
* Team Collaboration and Project Management Documents.
* Application Visual Guide, Design Layout, Interface Design, Wire Framing.
* Database Structure Design.
* Testing – Quality Assurance, Multiple Browser Compatibilities, Security, Performance-Load and Stress Testing, Usability.
* Maintenance.



**CHAPTER 2**

1. **BRIEF PROFILE OF THE INTERNING COMPANY**
   1. Introduction

KTS is a fast and dynamic software company founded in 2020 in the Silicon Valley of India at Bangalore with the vision of providing the best services, Training to clients and students. It is a certified software company by the government of India. **(Reg.No : KR-03-0010654),** Our clients are remarkably diverse: large and small, private, and public, for-profit, and nonprofit. We help them grow, sustain, and transform. Our one of the technical teams from multiple MNC companies bind together to help the students to learn technical concepts at the best level. K-AKA Technology Services an ISO 9001 : 2015 Certified Company (Accredited by International Accreditation Services : IAS). The company is highly specialized in the design and development of the website, software application development, mobile application development, E-Commerce Solution, and more.

Vision – To become the world’s leading Innovative training provider, IT service provider, providing Software Development solutions across the globe.

Mission – Design, Deliver Affordable and Quality training by identifying and Developing World Class Learning Platforms and ensure the best quality product and profitable growth through customer service, innovation, and commitment.

* 1. Services

**K-AKA Technology Service offers the services in the following areas –**

* SaaS (Software as a Service).
* Training and Development.
* Software Development.

* + 1. SaaS (Software as a Service) – Digitalization in the current world makes small/large business partners manage the work globally at distance. We provide different types of software support to the company/organization/government-Non-Government Institute. The support includes web, android, iOS platform, need(s) oriented application, etc.

* + 1. Training and Development –Looking at the progress in the corporate world, engineering aspirants of all branches must have coding, application development skills. These skills are looked at by many recruiting companies as a usual parameter irrespective of any branches.Thus, we organize a workshop, training, internship across engineering/non-engineering colleges which remarkably diverse : large duration and small duration program. We make our students experts in the selected domain to the best extent and compete with the corporate world.

* + - 1. Technical Training –We Provide Technical training to engineering/non-engineering students across the college. We trained 200+ students on multiple technical domains from multiple colleges across Karnataka India.

Some of the college Includes –

* BGS Institute of Technology, Chikkaballapur Karnataka
* SJC Institute of Technology, Mandya Karnataka
* APS College of Engineering, Bangalore Karnataka
* Dayanand Sagar academy of technology and management, Bangalore Karnataka**.** And many more.
  + - 1. Certification Courses – We provide certification courses post-training on multiple domains; Certification course training is provided on the college campus.We have tied up with multiple colleges for the certification program. Recently a project was completed at Mysore Campus.
      2. Software development Training Program – Looking at the diversity of the corporate world, need of improvement in practical knowledge of the student. We have designed a program, in which we focus on the implementation of the gained knowledge by students after training to develop the real-world application.

* + 1. Software Development –

**We mainly focus on the following areas of Software Development –**

* Enterprise Application Services.
* Web Designing and Development.
* Mobile Application Development.
  + - 1. **Enterprise Application Services –** An enterprise application is a software system platform designed to operate in corporate environments such as a business or government. EA software services include computerized billing system, content management, IT service Management, application Integration.
      2. **Web designing and Development –** The web development process includes web design, web content development, client-side/server-side scripting, and network security configuration, among other tasks. Web development range from creating pain text page to a complex web-based application, social network applications, and electronic business applications.

**The web application hierarchy is as follows –**

* Client-Side Coding.
* Server-Side Coding.
* Database Technology.
  + - 1. **Mobile Application development –** A mobile application, most commonly referred to as an app, is a type of application software designed to run on a mobile device, such as a smartphone or tablet computer. Mobile applications frequently serve to provide users with similar services to those accessed on PCs. Apps are generally small, individual software units with limited function.
  1. Team

K-AKA Technology Services is a team of experienced professionals providing a wide range of complex software and web application development services. To professional with vast experience who are working in MNC, IT Industry, Multiple Technologies. Our technical team focused on providing the best training to the engineers to land into the corporate world. The company started with the vision of adding value in the private/public, small/large organization with the service to the best extent. The company tied with multiple colleges across Karnataka to organize the certification courses and the corporate technical training to help the student to fill the bridge between the corporate and the college.

* 1. **Company Client**

Our clients are remarkably diverse: large and small, private and public, for-profit, and nonprofit. Some of our Happy clients are.

* Sai Vidya Institute of Technology.
* Cresta.
* IPC.

**CHAPTER 3**

1. **TECHNICAL DESCRIPTION**
   1. **TECHNOLOGIES INVOLVED**

* Python.
* Tkinter.
* Flask.
* Spyder.
* Anaconda.
* PyCharm.
* Postman.
* Excel server.
* Machine Learning.
  + 1. **Python Programming**

Python is a high-level, all-purpose programming language that is interpreted. Python's design philosophy places a strong emphasis on code readability through the use of noticeable indentation. Its language elements and object-oriented methodology are intended to aid programmers in creating clean, comprehensible code for both little and big projects. Python has garbage collection and dynamic typing. Due to its extensive standard library, Python is sometimes referred to as a "batteries included" language. A cycle-detecting garbage collector and support for Unicode were only two of the many significant new features included in the 16 October 2000 release of Python 2.0. The 3.12.2008 release of Python 3.0. The language underwent a significant change that is not entirely backward compatible. The Python 2.6.x and 2.7.x version series received backports of many of its key features. Security flaws in (including 2.7) might have allowed for remote code execution and web cache poisoning.

**Advantages of Python Programming**

**Easy to Read, Learn and Write. Python is a High-Level programming Language that has English-like Syntax –**

* Improved Productivity has Increased, Python is a very productive language.
* Simple to use and understand.
* Interpreted Language.
* Dynamically Typed.
* Free and Open-Source.
* Vast Libraries Supports (Extensive Library).
* Portability.
* High-Level Language.
* User Base Programming Language.
* Versatility.
* AI and ML Supports.
* Desktop GUI.
* Object Oriented Programming Language.
* Supportive Community.
  + 1. **Anaconda**

An effort to streamline package management and deployment, Anaconda is a distribution of the Python and R programming languages for scientific computing (data science, machine learning applications, large-scale data processing, predictive analytics, etc.). Python programming languages are available in Anaconda, a free and open-source distribution that is simple to set up. Along with free community assistance, it includes the conda package, an environment manager, and more than 1000 open-source products. A desktop GUI included in the Anaconda distribution is called Anaconda Navigator. Without the need for command-line commands, it enables us to run the Anaconda distribution's included apps and simply manage conda packages, environments, and channels. It is compatible with Linux, macOS, and Windows.

**Applications Provided in Anaconda Distribution –** The Anaconda distribution comes with the following applications along with Anaconda Navigator.

* + - DataSpell.
    - PyCharm Community.
    - PyCharm Professional.
    - VS Code.
    - Datalore.
    - JupyterLab.
    - JupyterNotebook.
    - Qt Console.
    - Spyder.
    - Glueviz.
    - Orange3.
    - RStudio.
    - Oracle Database Services.
* Compiled with Latest Python release – Anaconda 5.3 is compiled with Python 3.7, taking advantage of Python’s speed and feature improvements.
* Better Reliability – The reliability of Anaconda has been improved in the latest release by capturing and storing the package metadata for installed packages.
* Enhanced CPU Performance – The Intel Math Kernel Library 2019 for Deep Neural Networks(MKL 2019) has been introduced in Anaconda 5.3 distribution. Users deploying Tensorflow can make use of MKL 2019 for Deep Neural Networks. These Python binary packages are provided to achieve high CPU performance.
* New packages are added – There are over 230 packages that have been updated and added in the new release.
* Work in Progress – There is a casting bug in Numpy with Python 3.7, but the team is currently working on patching it until Numpy is updated.

* + 1. **Spyder**

Spyder is a free Python Integrated Development Environment (IDE) that comes with Anaconda, a well-liked Python distribution that also includes other scientific software. It is a potent scientific environment created by and for scientists, engineers, and data analysts in Python, for Python. Editing, interactive, testing, debugging, introspection, and data exploration are just a few of the tools that Spyder offers. Either the Spyder command or the Spyder symbol in Anaconda Navigator may be used to launch Spyder. Spyder may be set up independently of Anaconda.

**Spyder has several features in addition to these including –**

* An editor with Syntax highlighting, introspection, code completion.
* Support for multiple Python Consoles.
* The ability to explore and edit variables from a GUI.
* A Help pane able to retrieve and render rich text documentation on functions, Classes, and methods automatically or on-demand.
  + 1. **Postman**

Application programming interface (API) development tools like Postman make it easier to create, test, and alter APIs. For making and sending HTTP requests and answers, it offers a user-friendly interface. Postman improves collaboration and simplifies every stage of the API lifecycle, allowing you to produce better APIs more quickly. One of the most well-liked software testing tools, Postman is used to test APIs. Developers may quickly design, test, distribute, and document APIs with the aid of this tool.

* Postman is a stand-alone platform for building, testing, designing, modifying, and documenting APIs. For sending and examining HTTP requests and answers, it offers a straightforward Graphical User Interface.
* Almost every feature that a developer may want is incorporated in this program. This tool can transform the API into code for languages like JavaScript and Python as well as perform other HTTP requests including GET, POST, PUT, and PATCH.
  + 1. **Excel Server**

You may load, compute, and display Microsoft Excel workbooks on Microsoft SharePoint using Excel Services, a service application. Microsoft Office SharePoint Server 2007 was where it debuted. No desktop or display is available on the server, and any unexpected dialog boxes will cause your web program to stop. For Windows, macOS, Android, iOS, and iPadOS, Microsoft Excel is a spreadsheet editor. The features include pivot tables, a mac, graphing tools, and computation or calculation skills. This entails that you may interact with and save Excel workbooks from portal websites. By sorting, filtering, expanding, or collapsing PivotTables and handing in parameters, you may interact with Excel-based data and do analysis on published workbooks. You may reuse and distribute Excel workbooks on SharePoint portals and dashboards by using Excel Services. For instance, without creating proprietary code, financial analysts, business planners, or engineers may use a SharePoint portal and dashboard to produce material in Excel and share it with others.

**There are four primary interfaces for Excel Services –**

* An Excel Web Access web part, which enables you to view and interact with a live workbook by using a browser.
* Excel Web Services for programmatic access.
* An ECMAScript (JavaScript, JScript) object model for automating and customizing, and to drive the Excel Web Access control and help build more compelling, integrated solutions as well as the ability to user user-defined functions to extend the ECMAScript (JavaScript, JScript) object model.
* A Representational State Transfer (REST) API for accessing workbook parts directly through a URL.
  + 1. **Firebase Console**

Firebase is a backend-as-a-service (Baas) service provider. It gives developers a variety of tools and services so they can produce high-quality apps, increase their user base, and earn money. It was created utilizing the technical foundation of Google. Firebase is a NoSQL database program that uses documents that resemble JSON to store data. A set of backend cloud computing services and application development frameworks are included in Google's Firebase. It hosts databases, services, authentication, and integration, and it supports a broad variety of apps, including those written in Android, iOS, JavaScript, Node.js, PHP, Unity, and C++.

* + 1. **PyCharm**

Python programming is done using the integrated development environment (IDE) PyCharm. In addition to supporting Django web development, it offers code analysis, a graphical debugger, an integrated unit tester, integration with version control systems, and more. The JetBrains firm in the Czech Republic creates PyCharm. It is cross-platform and functional with Linux, macOS, and Microsoft Windows. There is a Community Edition of PyCharm that is distributed under the Apache License and a Professional Edition that is distributed under a commercial license. Less features are included in PyCharm Community Edition than in Professional Edition.

* Coding assistance and analysis, with code completion, syntax and error highlighting, linter integration, and quick fixes.
* Project and code navigation: specialized project views, file structure views and quick jumping between files, classes, methods and usages.
* Python code refactoring: including rename, extract method, introduce variable, introduce constant, pull up, push down and others Support for web frameworks: Django, web2py and Flask.
* Integrated Python debugger.
* Integrated unit testing, with line-by-line coverage.
* Google App Engine Python development.
* Version control integration: unified user interface for Mercurial, Git, Subversion, Perforce and CVS with change lists and merge.
* Scientific tools integration: integrates with IPython Notebook, has an interactive Python console, and supports Anaconda as well as multiple scientific packages including Matplotlib and NumPy.
  1. **CHALLENGES FACED**

A multitude of difficulties, both professional and personal, may arise during an internship. Typical difficulties encountered by interns include –

**Learning Curve:** Getting used to a new workplace, corporate culture, and sector can be challenging. You might have trouble picking up on new ideas, procedures, or technology right away.

**Task Complexity:** Tasks that are vital but may be more difficult than expected are frequently allocated to interns. It can be difficult to execute these jobs, especially if you have no prior experience.

**Time management:** It might be challenging to juggle your internship duties with any coursework, personal commitments, or other obligations. It's essential to develop effective time management skills.

**Feedback and Criticism:** It might be difficult to hear criticism of your work, especially if it is constructive. It's crucial to have the ability to absorb and favourably apply feedback. Building professional connections and networking with colleagues can be difficult, particularly if you're shy by nature or new to the field.

**Team dynamics:** Working with various teams might result in disagreements about working methods, viewpoints, or strategies. It's crucial to learn how to function effectively on a team and contribute.

**Project Pressure:** Working on high-stakes or time-sensitive projects can make meeting deadlines and expectations unpleasant. Industries are always changing and adapting. It might be difficult to adjust to changes in technology, procedures, or organizational direction.

**Lack of Experience:** You might not have the same amount of experience as full-time employees if you are an intern. Building self-confidence and overcoming imposter syndrome can be challenging.

**Finding the Right Balance Between Learning and Giving Back:** Finding the ideal balance between learning and giving back can be challenging. You want to learn as much as you can while still producing valuable work.

**Challenges of Remote Work:** As the amount of remote work increases, interns may have trouble keeping motivated, communicating clearly, and getting access to resources.

* 1. **PROFESSIONAL GROWTH**

A valuable opportunity for professional development is offered through internships. Here are some ideas for how to make the most of your professional development during an internship.

**Specify Your Objectives:** Decide what you hope to accomplish throughout your internship. Establish clear objectives for the knowledge you want to acquire, the projects you want to work on, and the experiences you want to have.

**Continuously learn:** Make the most of the learning opportunities at your disposal. Attend training events, webinars, workshops, and online courses to develop your abilities. Actively seek out input from your colleagues, mentors, and superiors. Utilize this criticism to enhance your performance and modify your work.

**Take Charge:** Don't wait to be given chores to complete. Take charge by offering your time for initiatives, making suggestions, and making contributions above and above what is required of you.

**Network:** Establish connections with your coworkers, managers, and fellow interns. You can learn about the business, find potential employment possibilities, and make useful connections by networking.

**Ask Questions:** If you have any doubts about something, don't be afraid to ask them. It demonstrates your willingness to take the initiative to understand and your eagerness to learn. Focus on developing crucial soft skills like teamwork, communication, time management, and problem-solving. When upgrading your resume and outlining your experiences in upcoming job interviews, this material may be helpful.

**Adaptability:** Take a constructive approach to changes and difficulties. A vital trait is adaptability, particularly in hectic workplaces. Seek out a mentor within the organization who can offer direction, counsel, and insights into your career path if at all possible. Reflect on your experiences, what you've learnt from them, and how you might do better on a regular basis. Utilize this self-evaluation to direct your development during the internship.

**Take Charge:** Manage your internship like a real job. Own your chores, obligations, and projects, and show that you have a strong work ethic.

**Be Professional:** Act professionally in all of your contacts, behaviours, and communication. This entails arriving on time, dressing appropriately, and remaining upbeat.

**Cross-Functional Collaboration:** Work together with colleagues from many departments to develop a wide skill set and obtain a deeper grasp of the business' operations. Talking about these difficulties and finding solutions can show potential employers that you can solve them.

* 1. **PROFESSIONAL LEARNING**

Professional development while on an internship is a critical component of your overall development. During your internship, you can improve your professional learning in the following ways –

**Active Participation:** Give your all to the duties and projects you are given. Actively contribute your thoughts, knowledge, and abilities to show that you're eager to learn and that you can benefit the team.

**Mentorship and Advice:** Consult with seasoned colleagues for mentorship and advice. They can share their expertise, offer insightful commentary, and give guidance on managing the market. Identify and work on developing the precise abilities that are pertinent to your sector or role. Technical abilities, communication abilities, project management abilities, problem-solving abilities, and more could be included.

**Observation and Shadowing:** Utilize the chance to watch and follow seasoned professionals as they perform their duties. You may gain a deeper comprehension of the sector and various positions inside the company as a result.

**Networking:** Make contacts with coworkers, managers, and fellow interns. Through networking, one may engage in fruitful discussions, exchange useful information, and discover new opportunities.

**Cross-Functional Exposure:** If at all possible, investigate several divisions or functions inside the business to get a comprehensive understanding of how things work there. Seek out constructive criticism of your work and utilize it as a tool for improvement. Think back on your past experiences, achievements, difficulties, and lessons learnt.

**Learning Resources:** Take advantage of any educational opportunities offered by the business, including webinars, workshops, and online courses.

**Solving problems:** When faced with difficulties or hurdles, concentrate on coming up with solutions. In addition to assisting, you in overcoming obstacles, this will also highlight your capacity for problem-solving.

**Time management:** Develop excellent time management skills to balance your obligations, duties, and projects. Any professional role success requires this ability. Observe and practice professional etiquette in all areas, including communication, timeliness, teamwork, and respect for coworkers and superiors.

**Documentation:** Keep a record of your tasks, successes, and learned abilities. When upgrading your resume and outlining your experiences in upcoming job interviews, this material can be helpful. Keep abreast with news, trends, and changes in your industry. You can contribute more successfully and show your dedication to your field by having a thorough awareness of the industry environment.

**Leadership Opportunities:** If the chance presents itself, assume leadership positions within teams or projects. You can demonstrate your growth potential and leadership potential through this.

**Ask Relevant Queries:** Do not be afraid to pose insightful queries. This demonstrates your curiosity and drive to learn more about the intricate details of your position and the business.

**Ethics:** Pay attention to the ethical issues that your profession and role raise. For one to advance professionally, ethical behaviours must be understood and practiced.

* 1. **ASSIGNMENT COMPLETED**

**ACTIVITIES DURING INTERNSHIP**

|  |
| --- |
| **Table - 1 WEEK 1 Activity** |
| * Domain Training. * Training on Python. * Case Study Activity. |

|  |
| --- |
| **Table - 2 WEEK 2 Activity** |
| * Team Formation. * Training on SMS API, MAIL API. * Activity on Front-End Design. |

|  |
| --- |
| **Table - 3 WEEK 3 Activity** |
| * Project Analysis and Design. * Project based activity with the Team. * Training on Back-End. * Activity on Back-End Interface. * Project Work / Coding. |

|  |
| --- |
| **Table - 4 WEEK 4 Activity** |
| * Project based activity with the Team. * Project Finalization. * Internship Project work Presentation. * Internship Report Presentation. |

|  |
| --- |
| **Table - 5 WEEK 5 Activity** |
| * Domain Training Specific to Project. * Training on Python Specific to Project. * Case Study Activity Specific to Project. |

|  |
| --- |
| **Table - 6 WEEK 6 Activity** |
| * Team formation Specific to the Project. * Training on SMS API, MAIL API Specific to the Project. * Activity on Front end Design about Specific to the Project. |

|  |
| --- |
| **Table - 7 WEEK 7 Activity** |
| * Project Analysis and Design Specific to the Project. * Project based activity with the Team Specific the Project. * Training on Back-End Specific to the Project. * Activity on Back-End Interface Specific to the Project. * Project Work / Coding Specific to the Project. |

|  |
| --- |
| **Table - 8 WEEK 8 Activity** |
| * Project based activity with the Team Specific to the Project. * Project Finalization Specific to the Project. * Internship Project Work Presentation Specific to the Project, * Internship Report Presentation Specific to the Project. |

|  |
| --- |
| **Table - 9 WEEK 9 Activity** |
| * Selecting of Testing Platform. * Installation and Development of Environment. * Creating a Back-End API for Testing. |

|  |
| --- |
| **Table - 10 WEEK 10 Activity** |
| * Generating Test Document. * Generating the Positive Test Scenario. * Preparing the API List and Reports. |

|  |
| --- |
| **Table - 11 WEEK 11 Activity** |
| * Perform Integration Testing. * Perform GUI Testing. * Generating the FE GUI Reports. |

|  |
| --- |
| **Table - 12 WEEK 12 Activity** |
| * Internship Report Finalization. * Project Report Finalization. * Technical Presentation in the Company. * Release the Project. |

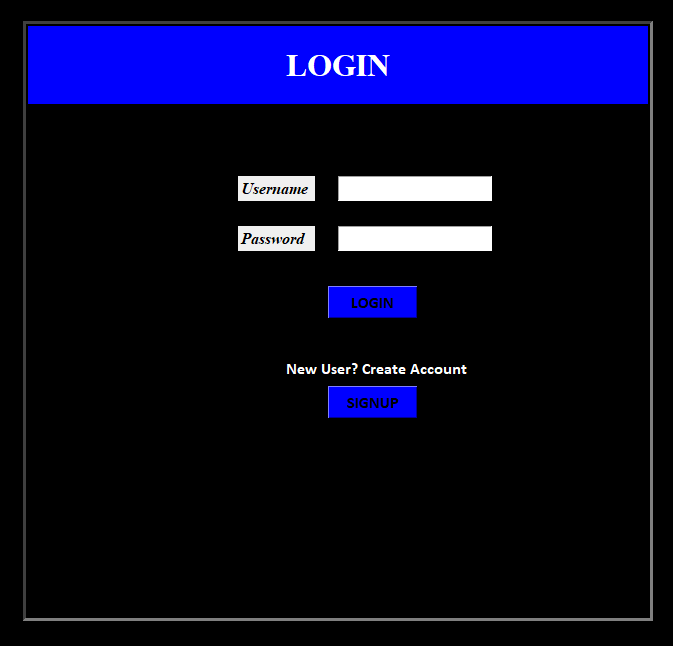
**CHAPTER 4**

**Conclusion**

In conclusion, the integration of multiple authentications system in ATMs using machine learning presents a significant advancement in banking security. By leveraging machine learning algorithms, banks can implement a multi-layered security approach, incorporating biometric authentication, voice recognition, and behaviour analysis, the system can verify the user's identity more accurately and detect suspicious activities. This approach enhances the security of ATM transactions, mitigating the risks of unauthorized access and fraudulent activities. The proposed system is highly efficient and secure to perform the ATM based operation, the physical verification restricts the loss of data and others. Application uses the Machine Learning based mechanism which makes it suitable in real-time details. Multiple authentications system using machine learning offer several benefits. Multiple authentications in ATMs using machine learning offer a promising solution to address the evolving challenges of security in the banking industry. By leveraging the power of machine learning algorithms, banks can enhance ATM security, protect customer transactions, and build trust in the financial system. The Outcome of Internship and Project Development was Totally Focused on Designing and Developing the Efficient Reliable Software for Multiple Authentication System in the ATM. In the Internship Procedure with Day with we started with understanding and installation and multiple software needed for the completion of the project. In India ATM security not taken until the criminal often occurs, every year the cases arising related to the ATM is Exponentially increasing, the hardware security is neglected and become the non-functional at most of the ATM thus we provided software-based Authentication in an ATM Machine that make it more secure and reliable.

**CHAPTER 5**

**Screenshots of Prototypes**



**Fig : Login Web Form**

A screenshot of a computer screen

Description automatically generated

Fig : Account Create / Web SignUp Form

![A black padlock with a white background

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Fig : Android App Lock

![A screenshot of a login form

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SzuRXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIzOjA4OjExIDIyOjAwOjU5AAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM1NgAAkpIAAgAAAAM1NgAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMzowODoxMSAyMTo1MjoxNAAyMDIzOjA4OjExIDIxOjUyOjE0AAAAAAYBAwADAAAAAQAGAAABGgAFAAAAAQAAEZQBGwAFAAAAAQAAEZwBKAADAAAAAQACAAACAQAEAAAAAQAAEaQCAgAEAAAAAQAAG0IAAAAAAAAAYAAAAAEAAABgAAAAAf/Y/9sAQwAIBgYHBgUIBwcHCQkICgwUDQwLCwwZEhMPFB0aHx4dGhwcICQuJyAiLCMcHCg3KSwwMTQ0NB8nOT04MjwuMzQy/9sAQwEJCQkMCwwYDQ0YMiEcITIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIy/8AAEQgBAADiAwEhAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A8Zqa0tJ7+8htLWMyTzuI40HVmJwBWYjWi8J6vM86JDHmJxHzIBvbBOFz14Un8PpVO/0a+03VF06eMG5bZtVG3btwBXH50AWPEnhjVPCmpLYarEsczxiRdjbgQfepNd8Jav4btLC61KBY476ISwlXycdcH0OCOKAK9z4f1C10S21eSL/RJzgHnKnnGQR0ODgjI4PcU6Dw9d3GnG9R4QvlmQId24qDjg429fegDJooAKKACigAooAKKANa18Oahd2X2xBCtvt3b3lA4yAeOvf0qrYWBvtSSy86OEsSPMf7owCf6UAR2NlLqF5HawlBJIcAu4UfnVrWNEutEnSK5eFi4ypjbP5ggEfiKAKjWdwloty8bLExG1iMbuo49eVNTWulXd5ZXV5FH/o9rH5kjtwMblXA98sKALc+hCDRhff2hbvOFSSS0VX3oj42tnG05yOAamTwdrLRxsYYkMkYkRHlVWYEZPB9ByfQUWAzNR0260m9ezvIwkyYJAYHg9DxVSgAooAKns7ufT72C8tX8ueBxJG2AcMDkcGgDWTxdq8byPHJAjOVORAnylQQCOOPlJH0qrNr2oT61Dq0jxm6hKGM+Uu0bfu/LjB6d6ALvijxlq3i+/gvNU+zmWBNieVCFGM556k89jxU3iXx1rXiyys7TUzbGO1H7vyoQhPGOT9OwwKLjMqTWr2bRE0mVke2jkWSMlBuXbv43dSP3jHBz7Y5qSLX7uHTvsSpGVCFFclsgHJ6btp69x/IUCMqigYUUCCigAooAKKANuy8UXtjaLbRw2zRBCmHVjnJU569flH603TdfOnQTRGwt5/NZmLOORkDj6f40AVrnVPNu47mC1ht2RNoCKMZ55+oz+lRXGoXF5qAvbkrNJuBIcZUgdselAFjUtdvNUgihnWJUiUKojTbgAk/+zGrMnirUH0qbTVitYrWVChSOPGAXD8c+oFAF678bzXfg6Dw9/ZdnH5QQfbEB81gpyMn8qpT+L9cuoGiubzz8oUDyorOAc5wxGec4PqKBlHU9XvdYeF72QSPDGI1YKASB646mqFAgooA9lorQYUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFKFZuisfoKBOSW4EEHkEfWkoBNPYKKBhRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFT2lnPeziGBGdj6DNNK7JnJRi5M6CDQJYQCbSV29WQ1aGnXYGBay/8AfBrpjypHz9b29WXNJMR9MuXGHs5WHvGazrvw7c7TJDbSqRyVKHFTNRaNcLOtRlqnYwSCpIIwR1BpK5z3U7hRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAHU4rt/B1uLbWLVcfMQxY++01cFo2ceLqWlTh3aPSa53xB458O+F7iO21XUBHcSDcsMcbSvt9SqgkD3NQdhp6PrWna/p0d/pd3HdWr9HQ9D3BHUH2PNWbv/jzm/wCubfyoRMtmeM6tbAYnUd8NWXVzVpHNganPRV+mgUVB1hRQAUUAFFABRQAUUAFFABRQAUUAFFABRQBPZIHvIgem7Ndx4Z/5D9t/wL/0E1tD4GeVi3/tVNen5noDMEUsxAUDJJ7V474U+IHg6z13xLqOparbrdXV+RFKykloFVQoBx0zmsT1TX8D674fufH+vx6LqdrJbagsdxFbxEg+Yq4kO3HHY16Nd/8AHnN/1zb+VCFLZnlF2ge1lU/3TXOVrV3PNyx+5JeYUVkemFFABRQAUUAFFABRQAUUAdf4C0ex1S5vHvYBMIVTYrHjnPP6V3X/AAi2h/8AQMt/++aAD/hFtD/6Blv/AN80f8Itof8A0DLf/vmgA/4RbQ/+gZb/APfNH/CLaH/0DLf/AL5oAP8AhFtD/wCgZb/980f8Itof/QMt/wDvmgCnqnhvS4NMuJbWwhjmRNyso5GKwfDP/Iftv+Bf+gmtofAzysWv9qpv0/M7jUP+QZdf9cX/AJGvi7wTPpEXiINrwgex+zzDFwGK79h2cLzndisT1TqfgUc/Fa1x93yZsD/gNfVd3/x5zf8AXNv5UIUtmeb2FsLvUYLdl3K8gDD1Hf8ASu3/AOEW0P8A6Blv/wB81rV3R5uVr3JPzD/hFtD/AOgZb/8AfNH/AAi2h/8AQMt/++ayPTD/AIRbQ/8AoGW//fNH/CLaH/0DLf8A75oAP+EW0P8A6Blv/wB80f8ACLaH/wBAy3/75oAQ+FtCIx/ZkH5V5PrlpFY65eWsAIijlKoCc4FAGfRQAUUAFFAHffDL/Wan9I//AGavQqACigAooAKKAGsoZSrDIIwRXHWGntp3i6KIg+Wd5Q+o2mtIPRo4sVTvOnPs0dkQGUqRkEYINcq3w08EsxZvDOnEk5J8kVmdpd0nwZ4a0K8+2aVotnaXO0r5sUYDYPUZrXu/+POf/rm38qEKXws5jwnpxMjX0i8AFY8/qa66rqO8jlwNPkoq/XUKKg6wooAKztW1aPSIY55o2eJm2kqeQcccd6ALlrMbi1imKhC6htobdjPvXjfin/kZ9R/67GgDIooAKKACigDvvhl/rNT+kf8A7NXoVABRQAUUAFFABVS+sUvI8bmjlX7kiHDL+NNOxM4qUWjj9Qt9csHO66unj7OkrEfzrO/tPUB1vrof9tW/xroioyV0fP1niKUuWUn94qahqcjbUu7tj6CRj/Wug0vStVuSJL68uUhP/LMytlvrzSlyxRrhVXrS1k7HURxpFGsaKFVRgAdqfXOe6lbQKKACigApjwxSOjvGrOmdrEZIz1xQARxRwxrHEioijAVRgCvGfFP/ACM+o/8AXY0AZFFABRQAUUAd98Mv9Zqf0j/9mr0KgAooAKKACigAooAQgEYIzUD2NrIctbxk+6ii4nFS3Q6O2gi/1cSL9BU1AJJKyCigYUUAFFABRQAV4t4p/wCRn1H/AK7GgDIooAKKACigDvvhl/rNT+kf/s1ehUAFFABRQAUwSxtH5iupT+8DxQA4MGUMpBB5BHeloAbvUOE3DcRkLnnFOoAKQMGGVIPbigBaRnVMbmAycDJ6mgBaKACigAooAK8W8U/8jPqP/X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Fig : Android App Login Form

![A screenshot of a login form

Description automatically 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Fig : Android App Create Account Form

![A screenshot of a log out

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SbERXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIzOjA4OjExIDIxOjU4OjUxAAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM3MAAAkpIAAgAAAAM3MAAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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Fig : Android App PassCode Generate Form and Log Out Form

**![A screenshot of a log out

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SgmRXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIzOjA4OjExIDIxOjU5OjQxAAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM0NwAAkpIAAgAAAAM0NwAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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A black and blue screen with white text

Description automatically generated

**![A screenshot of a login form

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**![A screenshot of a login screen

Description automatically 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**![A screenshot of a password

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YSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A/MeiiisiAooooAKK7/4O/A3xb8ctavrHwxaW7x6fbtd6hqOo3K2lnp8P/PSaZ9qrXM+IvC83h7xVfeH0u7PWrq0umtFudKuVuba4YNt3QyL95WoAxqK9c+MH7LPxF+AvhPQfEHjnRk0KPXJpbe1tHuVa5Vo1Rm3qn3ad8TP2U/iP8HfhtpXjXxloq6HpWpXq6fbQT3CtdMzRvL80a/d6UAeQ0UV7l+y5+yD42/aw1fVrTwrJp1hZaWqNe6hqjMIUMgJVAFViTgHj2oA8Nor1L9or9nXxZ+zH4+/4RTxclsbmW3F3a3dmS8F1CWddwB5Bzng9MV5bQAUV9afBf/gmf8Vvjd8Lbbx1pdxomm2l9EZdPsdTmkE14mTySBheh618saxo174f1i90rUIHtNQsriS3ubaT70UiNtZWoGUqKciNI9ey/Gf9nFvh34N8N+NvC+vp438A61HsXW7e0a2ayvQu6SyuYN7eVItAjxiiivUvCPwOj1rwppniPxD400TwTp2rSyRaampQ3tzPf+W+1mjjtYJW2q+KAPLaK9p8Tfsy3Wm+BdU8XaD4q0vxZpekllvktLG/tJYtrIrEfa7aJZNn2iLcq14tQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRXTeF/hzrfjTRda1TRbM3yaT9m+0Qxv+/2zy+VGyr/ABL5rxLQBzNFe7J+xb8To4/Fn9oaR/Zv9g2s1yrz/d1Bo2+ZbZv4q8/+Inwxm+HumeDtQ/tex1my8TaV/a1q9iki+UouZbZo381V+ZXt6rUDiaK9w/Zv+C/h34qpI/iS71SEXHiTRfC1j/ZTRr5VxqP2nbcTb0bdGn2WmfCT4Q+GfH/w68aXt9d6hB4l0ewvNRtvLuLaGBlt4PN2xwHdPct/f2bPIWgDxKivb/2iPhD4W+HWjeG9R8H3VxrGn3cs9jd6g+ox3KC8ijt2lg8sQRNAy+d3rj/hF8DfFvxs1K/tvDFpB9l0uFbnUdU1C7jtbGwh/wCek80jBVoA4CivouP9kPTrtls7L49fCa61b/ny/tuaND/23eBY68j+KXwn8VfBnxZJ4c8YaW2laosa3KpvWRZYX+7JHIm5WjapA5Ciiu6+B3wl1H46fFTQPAek3ttp2oaxK0UVxebzCm2N5PmC9aAOFoq5relSaHrF9p8rLI9pcSW7PH912RttU6ACivR/hz8D9V+Jfw/+IniywvrO0svBVlBe3cMwfzbhZZNirH+VZHwg+GN98ZPiZ4b8EabcwWl7rd4tpFc3QYxxZ/ibbQBx9Ffclv8Asd/AH4h6FofhP4dfGyPUPjBeSCA219539mTyBX81YsWYYD8e1fInwx+GfiD4v+ONL8JeF7L+0tb1ORkgh3qq8LuZmZvuqqVWoHLUV7j4s/Y88e+H73wrBpsmh+NbXxRetpmmal4T1WO9s3vB96Fpf4WWp/GX7F/xC8I3fh6G0l0DxZFrmsjw/DdeGtVivbeHUv8An1mP/LKSgDweivW/iF+y7448A3iLHBYeKNPbS7nWf7V8M3P26z+y28nlXLM6/wDPJ/kavJKkAooooAKKKKACiiigAooooA+3v2Ndb1C1/ZU+Mll4R8E6Z8RfGTatpU0vhvUdNbURLZ54k+zD/XbHz+dY37Unh7xD8N/E/wASNM+HGhf2D4Tv9E0K98eaXpUCS2ui3zlZUg3fehxMM/jXyVoPiHVPDN+uoaPqd5pN6i7FubG5aCX/AL6Wk/t/UtuoJ/aF0U1Bla8Tzm/0hg2795/eqgPoz4pXEl1+wh8HJpZWkd/E+vOz/jBRqd5Nff8ABOK1uLidp5m+K8+6R/8AsER183Pqt5PYQWT3k8llCzPFbSO3lIx+8yrR/a15/Zv9n/bJ/wCzvO+0fY97eV5m3bu2/wB6jUZVr9tP+CVPw11PwN+zw2qaromlabLrk4uba7sm3XF5bgEK85/vAk49q/Euu9+Gnx7+InwbmE3g3xjrGgqd2YLa4Y25/wC2TfLRqB+k/wDwWM+Gep6p4V8NeMbDRdJfT9PYwahqrSFdQXJzHGo6GLOSfc1+W3gzw9qHi7xbpGj6VbW93ql7cRwwW11MsUUrf3WZ2VVWtL4gfFjxn8VtSN94x8Uat4juC+4NqFy0iI3+yn3VrkqNQP6WfhL4UbwL8MvDGgyafp+lT2OnwwzWek7/ALJBKFHmLFvJbYG3Yyc4r8R/+CjHw11X4d/tLeI5bzR9L0uw1ad73TzpMu4zxsxJmlUsWWb8PpXnvhn9rj40eEPDtzoek/ErxDa6VNwY/tzORnr5btloq8s1jXNQ8R6lPqGq311qWoTf625upmllfH95mo1A7D4E/ES9+FPxe8J+J7PUpdGay1CIXF3D95bZm2zr/wB+q/UX9ob4gfEjQPgb+014qh8cWeseGLm50eXwheaPfw3gtrKe7EU6gJ0yD0J559K/H6uq0H4oeJPDPgfxT4N03URD4c8UNbNq9j5Kt5/2aTfB8zLuXa9AHK19heB/FVn4X+Gfwu1GTXf+EVnuvBes6FpPikrIV0fVDrlxNuLRIWjZrVyu5efm9q+Pa7LwN8ZPHnwvtbq38JeMdb8NWtw2+eHTb+WCKVv7zKtAj6c1Dxh/wkXg/wAQ21x4tbx9qHhzwFqNtrXixDM9tLNcXtsLaHzJlVpGXhN718Y13Hjb45fET4laaumeK/GuveIdOSTzls9Sv5ZYN397a1cPQAUUUVIBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV7n+zh4l1L4R6Pr3xV0jWH0240XVNN0Sa3+wpd+Zb30d67SbHYKZImso2T8K8MrqvB/xS8XeAdJ17SvDfiTUdD0/Xofs+qW1lcNGt5Htddsqr95dk0v51WoH6Br53hPTPHRsfiJM0PhzS9P0+6m1PRdKs5tXmlsPNtvOmn1CPzPKhtbXbtfzfrXxf8AHDwre+HfCvw2kn8Wr4j0yXRpP7MtpLNrR7K2853+VW+ZoZJZZdkrVg6X8f8A4kaCutrp3jbXLJddhji1Ew37L9sjSLyVWX+9tTI/GsXxh8TPFXxCj05PEuvX+spp8fk2f26bzfIj2ou1f+AJQB6/8CfBfj/TPhhrXxD8N+L18I+FEnuLHW7/ADj7OYI4ZIm/66yNd7Ittdr44+Efxk+G/gDw/p1t4tnvNH8XTWOh2+kx2c9qJXu7JBGsDyxqsimJI4pWi9MGvGPAP7Q3ib4b+Cf+ESsoLC78OS3l3d32m3yyPFqC3ECQNHOquu5V8rev8StXYal+2d4k1a3hifw9odnJDDDturV7vf8AaILB7G2uf3s8qo0SSyMvlIlAGP8AG/SPihfeH9N1fxZqlx4k8K2l3JaaVq32mNluN7NGtx5f+sXzfsh2yy/e8qrn7KPgU+Jta8T+Ii9rdr4T0ttWGlalolzqlhqEifdW7SH7sP8AeZq5bxJ8fNa8T/B3Rvh3caXpselaZNHLFdx+e0/y7/78rRx7vN+bykTdXn+n6zqGjpdpY309ol3btb3XkzMvmwltzRtj7y/JRqB+hHin9pGTT/hIPEJ8a674i0aeNks9N1/4X2MfhTVZwPmsYsfOnQ857V+fOuarJrmq3N60UUHmyMyW0G7yrdf+ecan7qr/AA02bWL640mDTHvrh9LtpZLiCzeZvKikkVFZlX+82yLdVKgD2T9n39nXVPi5468CwatZalpfgnxJrR0Vddt0+XzlTcyLX3n+zn4btvB9r+zdotsfNTTfiR4nsknk+8yxwXS/0r82PD/xe8a+F9M0jTtI8U6tp1ho982p6fa2tyypa3TLt86P+61WbH45/ELTZNLksvGOtWsmm3s+pWTpdsvkXU3+umT+6z0ajMT4gf8AI+eI/wDsJXP/AKNevZfhz+yrf6t4Q+J+o+M4NU8L6j4Z8KReKdNtpIVX7bHIxCt/1zbFeAXNzNfXMtxcStPPMzPK8n3nY12l58bviBqSXyXHjHWZ0vtLj0a6SS8ZvNsI/u27f3o1o1Efo98c40j0D9pdQqon/CtvCo/IsK+Iv2EP+TwPhZ/2F1/lXn2pfG/4gaxHq6ah4w1i7j1izg0/UUnvGb7Xbw/6iGT+8q1Q+F3xI1X4Q/ELQPGWiJBJq2i3IurZLpN0bsP7y0ajP0z/AGdf+CXPjr4N/H7wv491TxZ4f1DT9LvGupbW0ScStkdBuGM/jX51fs9+B/E3xK+Kml+HPB+pxab4hvFm8jzL9rH7RiN2aFZU/ikSvqqb/gsp8a2ikx4a8CR9tw029JX/AMnK+EoZpIJlliZo5Eberx/KyMKNQP0m8RfEKf4DfC34LeMbH4V3nwsl0Px1eqPh5dzTvNqqSWgSS+VrhPO4zt5GOfxrH+M02hfsv/sx2o8H6X4u8EeLNa8c2/iDTdM8aG2/tCBbZWbzjBH92Fen418B654u1zxPqEd9rGs3+q3sSqi3F9ctPKij+6zVT1XVb7XLxrvULye/un+9NdTNKz/8CajUR+oeg6Wn7QHwfHgbWr6SHVrgaQ+tad8NdJh2WUOpXDzW0H/XJP8Aj6uq/Mzxt4b/AOEN8aa94fS7ivv7M1Cex+2QfduPLkdPMWq+h+JNW8M3Etxo+q3mkzTRtE01jctA7xn7yttrNo1AKKKKkAooooA7z/hRXjj/AKAf/k5B/wDFUf8ACivHH/QD/wDJyD/4qvreir5Sz5I/4UV44/6Af/k5B/8AFUf8KK8cf9AP/wAnIP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**![A screenshot of a login page

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**![A screenshot of a login form

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SP4RXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIzOjA4OjExIDIyOjAzOjMyAAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAMwMAAAkpIAAgAAAAMwMAAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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**CHAPTER 6**

**Appendix**

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