**SOFTWARE DEVELOPMENT PROPOSAL**

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| PREPARED FOR: | TTS |
| PREPARED BY: | **Group 5** |
| Sarah Hoffman | |
| Scottie Horne | |
| Aparna | |
| Aaliyah | |
| Pradhi Kohli | |
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| PROJECT NAME: ShreveportSmartCityApp | | | | | | | | |
| EST. START DATE | 03/15/21 | | | **EST. FINISH DATE** | | | | 03/19-21/21 |
| SUBMITTED TO | TTS | | | COMPANY | | | | TTS |
| CONTACT NAME | Sarah Hoffman | | | ADDRESS | | | |  |
| PHONE |  | | |
| EMAIL | Jadedragonwest26@gmail.com | | |
| PROJECT OVERVIEW | | | | | | | | |
| This is an application to help travelers, newcomers, and tourists to Shreveport with local eateries, entertainment and local places to avoid due to unsafe areas that new people to the area aren’t aware of when first coming to the area. If time allows will add hotels and other point of interest to the app as new features. Can have up to 10 new features if added costs are allowable to investors under a buffer which can be refunded at the end of the contract. | | | | | | | | |
| NEEDS / INVESTMENT | | | | | | | | |
| $25-$350+ for Heroku deployment per month for upkeep of the servers and deployment of webpage(s)  Funds to pay developer team for work till production.  75,000 per person for a 5 person team. 1,000 bonus for each team member for 5 additional features up to a limit of $10,000 for 10 new features.  A buffer for additonal funding for added features.  Said funds will be in a trust set up for the developers and would require 2-3 developer signatures to withdraw any fund from the needed funds for the extra features. | | | | | | | | |
| SUBMITTED BY | Sarah Hoffman | | | COMPANY | | | TTS | |
| CONTACT NAME | Sarah Hoffman | | | **ADDRESS** | | |  | |
| PHONE | (919)330-2331 | | |
| EMAIL | Jadedragonwest26@gmail.com | | |
| PROJECT OVERVIEW | | | | | | | | |
| This is an application to help travelers, newcomers, and tourists to Shreveport with local eateries, entertainment and local places to avoid due to unsafe areas that new people to the area aren’t aware of when first coming to the area. If time allows will add hotels and other point of interest to the app as new features. Can have up to 10 new features if added costs are allowable to investors under a buffer which can be refunded at the end of the contract. | | | | | | | | |
| PURPOSE / GOALS | | | | | | | | |
| The purpose of this application is to help newcomers to the area find local restaurants and entertainment venues, check the local weather and Shreveport map for destinations, and avoid the bad places in town for the users safety.Our goals for this application is to guide new users and newcomers to the Shreveport Area to have a fun and safe experience while getting to know the local area and what they can do or find in Shreveport while still being safe. | | | | | | | | |
| **OBSTACLES** | | | | | | | | |
| Getting everything to work as a whole. Finding funding for the developers and the server runtime. | | | | | | | | |
| INDUSTRY / MARKET RISK FACTORS | | | | | | | | |
| Several similar apps out there. | | | | | | | | |
| BUDGETARY RISK FACTORS | | | | | | | | |
| Depends on foor traffic on website could need more funding for a higher service on Heroku. | | | | | | | | |
| HARDWARE COMPATIBILITY | | | | | | | | |
| Works on http-https compatible devices. | | | | | | | | |
| SOFTWARE EMPLOYED | | | | | | | | |
| Spring Boot, Spring Web, Spring Dev Tools, Lombok, Spring Security 5,JPA,H2,Thymeleaf, Validation | | | | | | | | |
| TIMELINE / MILESTONES | | | | | | | | |
| OVERVIEW | | | | | | Setup phases 1&2.  Review and test.  Write code in the pages.  Review and test. | | |
| MILESTONE | | REPORTING | | | DEADLINE | | | |
| Setup of skeleton app | |  | | | 03/15/21 | | | |
| Setup of .htmls/images | |  | | | 03/16/21 | | | |
| Writing of actual code | |  | | | 03/17/21 | | | |
| Cssing/Testing/Reviewing | |  | | | 03/18/21 | | | |
| More testing/Afternoon Presentation | |  | | | 03/19/21 | | | |
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| DEPLOYMENT / DISTRIBUTION | | | | | | | | |
| Heroku service for deployment. | | | | | | | | |
| TESTING | | | | | | | | |
| Via Jenkins and j-unit testing if time allows. | | | | | | | | |
| DOCUMENTATION | | | | | | | | |
| Documentation via github .Readme  https://github.com/jadedragon21/ShreveportSmartCityAppCapstoneProject.git | | | | | | | | |
| SUPPORT | | | | | | | | |
| Support will come from the 5 developers and the Heroku service. | | | | | | | | |
| TRAINING | | | | | | | | |
| Five junior developers are in training at the moment. | | | | | | | | |
| COST STRUCTURE | | | | | | | | |
| OVERVIEW | | | | | | Break down in cost services:  Heroku deployment: $25-$350  Developer payments:  $55,000-75,000 per year at 2-3 years at max 5 developers.  Unplanned Buffer Costs(returned at the end of 3 years if not used) :  $62,400 | | |
| NEEDS / INVESTMENT | | | | | | COST | | |
| Heroku deployment: | | | | | | $25-$350 (Min-Max) per month | | |
| Developer payments: | | | | | | $75,000 per year at 2-3 years at max 5 developers. | | |
| Unplanned Buffer Costs(returned at the end of 3 years if not used) | | | | | | $62,400 | | |
| The above costs are for things like add-ons or new developments to the application. | | | | | |  | | |
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| ESTIMATE TOTAL | | | | | | $387,600-450,000 | | |
| PAYMENT TERMS | | | | | | | | |
| Heroku payments will be paid per month to keep the application running 4 days before Heroku’s due date or an automatic fund set up for a two-three year payment plan.  Developer payments will by handled every two weeks on a Friday up to the 75,000 per year stipulation unless said date falls on a weird date that ends in the next month (ex: February) which will be on the day before the months ends on a business day.  Depending on new additions each developer will receive a small bonus of $1000 for 5 new additions up to 10,000 dollars split equally between the 5 developers.  So only 10 new additions may be applied to the application during the 2-3 contract period. | | | | | | | | |
| TERMS & CONDITIONS | | | | | | | | |
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| PROPOSAL MAY BE WITHDRAWN IF NOT ACCEPTED BY DATE OF | | | | | | 3/21/21 | | |
| ACCEPTANCE OF PROPOSAL | | | | | | | | |
| AUTHORIZED  CLIENT SIGNATURE | | | DATE OF  ACCEPTANCE | | | | | |
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